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CATALOGUE

OF

1098 STANDARD CLOCK AND ZODIACAL STARS.

PREPARED UNDER THE DIRECTION OF

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PROFESSOR, U. S. N., SUPERINTENDENT AMERICAN EPHEMERIS.

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PREFACE.

The preparation of the following catalogue was commenced at the Naval Observatory for the purpose of obtaining standard positions of reference stars for use in the lunar and planetary theories, especially in the reduction of the older occultations. It originally included only time stars, and stars occultations of which by the moon had been well observed.

In 1877 the unfinished work, along with other material pertaining to the lunar theory, was courteously turned over to the office of the American Ephemeris by Rear-Admiral RODGERS, United States Navy, the Superintendent of the Observatory. It was then found advisable to greatly enlarge the catalogue, so as to include all the standard stars of the American Ephemeris, and all the stars, down to the sixth magnitude, which could be occulted by the moon.

The work of reconstructing and completing the catalogue has been nearly all performed, under the personal direction of the writer, by Master CHAUNCEY THOMAS, United States Navy, to whose care and accuracy is due much of its value.

CONTENTS.

	Page.
§ 1. Introduction	153
§ 2. Formation of the Right Ascensions	154
§ 3. Formation of the Declinations	158
§ 4. Positions of the Nine Principal Stars of the Pleiades	160
§ 5. Declinations of Sirius and Procyon	162
§ 6. Circumpolar Stars	164
§ 7. Explanation of the Catalogue	165
§ 8. Formulæ for Reducing the Catalogue Places to other Epochs	167
The Catalogue	175
Corrections to the Declinations of Sirius and Procyon for Inequality of Proper Motion	297
Right Ascensions of Time Stars, 1800 and 1830–1900	299

POSITIONS OF STANDARD CLOCK AND ZODIACAL STARS.

§ 1. INTRODUCTION.

In the reduction of all the Washington meridian observations since 1862, and in all the investigations of the motions of the planets by the author up to and including that of Uranus in 1873, the right ascensions depend fundamentally upon Dr. GOULD's standard catalogue. The latter was published by the Coast Survey, and introduced into the American Ephemeris from the years 1865 to 1880.

When the work of reducing the older occultations of stars with modern data was undertaken at the Naval Observatory, it became necessary to have accurate positions of stars for dates much more remote than the time of BRADLEY, because a large number of the occultations selected were observed before 1700. As Dr. GOULD's proper motions depended largely on BESSEL's BRADLEY, which was to be superseded by AUWERS's re-reduction of BRADLEY's observations, and as much other material had become available for the determination of accurate proper motions, it became necessary for the work in hand to redetermine the positions of the fundamental time-stars. So far as the right ascensions are concerned, this was done for the "Maskelyne stars" in 1872 The resulting "*Right Ascensions of the Equatorial Fundamental Stars*" appeared as an appendix to the Washington Observations for 1870.

One result of this investigation was the discovery of a periodic error in the right ascensions of a number of modern catalogues, which seems to have had its origin in some one of POND's adopted catalogues, and to have disseminated itself among the results of many observatories through the employment of the earlier Greenwich star positions, which depend fundamentally upon those of POND. When, after the practice of Professor AIRY, new fundamental positions depending entirely on recent observations are formed from time to time, the error in question is gradually cut down, and, as a matter of fact, it has disappeared from the recent Greenwich results. But so long as the same fundamental catalogue is used, it will in consequence of erroneous proper motions, tend to increase with the time rather than diminish. By referring to the tables on page 46 of the paper cited, and the formulæ of correction which precede them, it will be seen that in the cases of the Greenwich, Oxford, Paris, and Washington results, the right ascensions about 9^h are very generally too great relative to those about 21^h, the difference ranging from $0.^s10$ in the case of Oxford (Radcliffe, 1845) to $0.^s03$ in the case of the Greenwich 7-year catalogue for 1864.

The necessity of reobserving a large number of the occulted stars, as well as the pressure of other duties, caused the work to be laid aside until 1876, when the means for recommencing it became available. It was the original intention to reduce the

declinations to AUWERS's standard, copious tables for doing which are given in the *Astronomische Nachrichten*. But it was found that in the mean time a very exhaustive discussion of the declinations of the principal fixed stars, and of the systematic corrections necessary to reduce the declinations of the different catalogues to a fundamental system, had been undertaken by Mr. LEWIS BOSS, then of the Northern Boundary Survey, but now Director of the Dudley Observatory, Albany. An examination of Mr. Boss's work led me to believe that in the thoroughness with which the bases of all existing original catalogues of value were examined and discussed, and in the correctness of the general principles on which the work was being executed, it left little to be desired. The only serious deficiency seemed to be the absence of AUWERS's reduction of BRADLEY's declinations from the data employed, an absence which I regretted, but which could not be satisfactorily supplied. Altogether, I judged it best to adopt Mr. Boss's declinations as the standard of reduction, and have to express my indebtedness to Maj. W. J. TWINING, Corps of Engineers, U. S. A., chief astronomer of the American branch of the survey, as well as to Mr. Boss, for the communication of all the tables and data necessary to reduce the declinations of different catalogues to Mr. Boss's system.

The zodiacal stars in the original catalogue, above described, included only those of which occultations had been actually observed up to 1870. On taking charge of the *American Ephemeris* the need of a complete revision of the stars which might be occulted by the moon was found to be pressing. It was therefore decided to extend the catalogue so as to include all stars to the sixth magnitude, inclusive, which could be occulted by the moon. Stars below this magnitude were included only when found in BRADLEY's catalogue or when occultations had actually been observed

In preparing the original list, which was that employed in investigating the motion of the moon before 1750, the provisional declinations of Dr. AUWERS, reduced to Boss's system, were used for the epoch 1755. In the mean time Dr. AUWERS had worked out his definitive results for BRADLEY's declinations, and it was deemed best to incorporate them in the whole catalogue. The original places were therefore modified so as to give the results which would have been reached had AUWERS's declinations been used in the first place.

The catalogue here presented may therefore be considered as including two classes of stars:

(1) All the standard stars of the *American Ephemeris*, omitting for the most part those added for field work.

(2) All stars to the sixth magnitude, inclusive, which can be occulted by the moon, together with stars below the sixth magnitude which had been observed by BRADLEY.

§ 2. FORMATION OF RIGHT ASCENSIONS.

Owing to the constant improvements still in progress in the art of determining star positions, the time has not yet arrived when a fundamental catalogue can be regarded as entirely definitive. It is not, therefore, deemed necessary to present in detail the deduction of the position of each separate star, but it is considered sufficient to give a general statement of the method pursued.

The method of forming the definitive right ascensions of the original catalogue was to compare the catalogue places with computed provisional places, and, assuming the corrections thus obtained to be of the form $a + b\,T$, to find the values of a and b by least squares. These quantities were the corrections to be applied to the provisional right ascensions and proper motions.

As a general check upon the accuracy of all the work, two fundamental epochs were adopted, namely, 1755.0, the epoch of BESSEL'S and of AUWERS'S reductions of BRADLEY, and 1850.0, that most generally adopted as the zero epoch for the theoretical astronomy of the present time. Approximate positions for these two epochs (supposed to be correct to $0^s.3$ of time in R. A, and to $0'.1$ in declination) were obtained for these epochs, generally from BESSEL'S *Fundamenta* and the *British Association Catalogue*. The precessions and secular variations of the annual motion for each epoch were then independently computed. In these computations STRUVE'S constant of precession and HILL'S formulæ, as found in the *Star Tables of the American Ephemeris* and in my paper of 1872, already cited, were made use of. It will be remarked that the secular variations thus computed are not those of the precession simply, but of the annual variation. The difference, however, is not great, except in cases of stars having considerable proper motion or high declination. The annual precessions were computed to $0^s.0001$, and the variations in 100 years to the same order of units

The provisional right ascensions of the stars were then carried forward from AUWERS'S *Bradley*, neglecting proper motion entirely, and assuming the precession to vary uniformly between 1755 and 1850. The computed values of the secular variation were therefore substantially unused in obtaining the provisional places, except as a check against serious error. Practically the adopted value of this variation was $\frac{20}{19}$ of the difference between the precession for 1755 and that for 1850. The residual corrections given by the several catalogues thus represented proper motions from 1755. To guard against an accumulation of small errors, the computations of the provisional places were carried to $.^s001$.

In the case of stars of the *American Ephemeris*, a course different in some respects was pursued.

The annual variations and secular variations for 1860 being given in the *Star Tables of the American Ephemeris*, it was not considered necessary to compute them for 1850. The secular variations were, however, computed for 1755 to five places of decimals, the difference between this and the corresponding quantity for 1860 giving the term depending on the third power of the time. The right ascensions were then carried back to the epochs of the catalogues, supposing the annual variation and secular variation of the *Star Tables* to be exact for 1860, and including the term depending on the third power of the time. The provisional proper motions were therefore included.

The computed places thus obtained for each class of stars were then compared with those given in the following catalogues.

1. *Bradley*, 1755.—The right ascensions were those of Dr. AUWERS'S, as communicated in manuscript. In the case of a few stars, however, BESSEL'S places, as given in the *Fundamenta Astronomiæ*, had to be used.

2. *Piazzi*, 1800.—*Precipuarum Stellarum Inerrantium Positiones Mediæ. Panormi*, 1814. This catalogue was used in the case of stars not observed by BRADLEY.

3. *Struve*, 1830.—Catalogue in the *Positiones Mediæ.*

4. *Argelander*, 1830.—DLX *Stellarum Fixarum Positiones Mediæ, ineunte anno* 1830. *Helsingfors*, 1835.

5. *Pond*, 1830.—Catalogue of 1112 stars. London, 1833.

6. *Airy*, 1830.—*First Cambridge catalogue of* 726 *stars* in the *Memoirs of the Royal Astronomical Society*, vol. xi.

7. *Johnson*, 1830.—St. Helena catalogue of 606 stars. London, 1835. (Used only for two or three southern stars.)

8. *Gilliss*, 1840.—Catalogue in *Observations made at the* [old] *Naval Observatory.* Washington, 1846.

9. *Armagh*, 1840.—Robinson's catalogue.

10. *Airy*, 1840. } The Greenwich twelve-year catalogue.
11. *Airy*, 1845. }

12. *Pulkowa*, 1845.—Catalogue in vol. I of the Pulkowa observations, derived from observations with the transit instrument.

13. *Airy*, 1850.—Greenwich six-year catalogue for 1850.

14. *Pulkowa*, 1855.—Catalogue from observations with the meridian circle, communicated in manuscript by Director STRUVE.

15. *Airy*, 1860.—Greenwich seven-year catalogue.

16. *Yarnall*, 1860.—Washington catalogue. Appendix to Washington observations for 1871.

17. *Airy*, 1864.—Second Greenwich seven-year catalogue.

18. *Engelmann*, 1866.—*Resultate aus Beobachtungen am Meridiankreise der Sternwarte zu Leipzig, von Dr. Rudolph Engelmann.*

19. *Greenwich*, 1870.—Mean result from the Greenwich observations from 1868 to 1876, inclusive.

20. *Washington*, 1870.—Mean results from all observations with the Washington Transit circle from 1866 to 1873.

To the positions of the separate catalogues were applied the systematic corrections given on pages 43 to 47 of the paper on the right ascensions of the equatorial fundamental stars.

The weights assigned to the several catalogues, as dependent on the number of observations, were founded upon a consideration of the probable systematic and accidental errors of each catalogue. While such considerations do not constitute a refined discussion, I consider that the final results will be much nearer to those which would be given by the most refined discussion than to those given by the usual mode of combining catalogue results. I also consider that the former difference will be much less than the probable error of the best results. The following is the table made use of, the argument at the top being the number of observations.

Tables of adopted weights in right ascension.

Number of observation.	1	2	3	4	5	7	10	15	20	25	30	40	50	60	80	100
Bessel's Bradley	1/15	1/10	1/10	1/8	1/7	1/7	1/4	1/3	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Auwers's Bradley	1/10	1/5	1/4	1/3	1/2	1/2	1	1	1	2	2	3	3	3	4	4
Piazzi	1/4	1/3	1/3	1/2	1/2	1/2	1	1	1	1	1	1	1	1	1	1
Struve, 1825	1/2	1	1	1	2	2	3	3	4	4	5	5	6	6	7	8
Argelander, 1830	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Pond	1/2	1	1	1	1	1	2	2	2	2	3	3	4	4	5	6
Johnson	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Airy, Cambridge, 1830	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Gilliss, 1840	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Airy, Greenwich, 1840	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Armagh, 1840	1/3	1/2	1/3	1/2	1/2	1/2	1	1	2	2	3	3	4	4	5	6
Pulkowa, 1845	1	2	2	3	4	5	7	7	8	10	15	20	20	25	25	30
Radcliffe, 1845	1/2	1	1	1	1	1	2	2	2	2	3	3	4	4	5	6
Airy, Greenwich, 1845	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Airy, Greenwich, 1850	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Pulkowa, 1850	1	2	2	3	4	5	7	7	8	10	15	15	20	25	25	30
Airy, Greenwich, 1860	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Yarnall, Washington, 1860	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Airy, Greenwich, 1864	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Engelmann, Leipzig, 1866	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Airy, Greenwich, 1870	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Washington, 1870	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"

Assuming the residuals to be represented by an expression of the form $a + b\mathrm{T}$, T being the fraction of a century after 1850.0, the equations of condition thus obtained were solved by least squares. The definitive correction to the provisional right ascension for 1850 was then a, and to that for 1755 was $a - 0.95\,b$. These corrections being applied to the provisional places, corrected places for the two fundamental epochs would then be obtained.

The process thus described was not rigorous with respect to the third place of decimals in the seconds owing to three causes.

(1) The limitation of the adopted annual precession to the fourth decimal.

(2) The neglect of the secular variation of the proper motion, which would introduce a small term varying with the time.

(3) The assumption that the secular variation of the centennial motion was constant.

The errors thus introduced were entirely unimportant so far as the immediate purpose was concerned, because they were smaller than the necessary uncertainty of the results; but it was considered desirable that the relation between the final positions in the catalogue, and the precessions and proper motions, should correspond accurately to a uniform theory. The results were therefore checked and adjusted by the following process.

The centennial variation for 1850 was obtained in the first place by correcting that value of the precession or centennial variation for 1850, which was used in computing the provisional places, by the quantity b, derived from the equations of condition. The

value thus employed for correction was not generally the same as the definitive precession for 1850, because the latter was afterward computed to one more place of decimals. But the corrected result was considered as the definitive variation for the epoch 1850.

The centennial variation for 1755 was derived from that for 1850 by subtracting from the latter the quantity

$$\tfrac{1}{2}(s_1 + s_2) \times (1 - \tfrac{1}{20})$$

s_1 and s_2 being the secular variations for the respective fundamental epochs.

Having thus obtained the centennial variations, which we may call v_1 and v_2, for the two fundamental epochs, the change of right ascension between those two epochs was independently computed by the formula

$$\triangle \text{R.A.} = \tfrac{1}{2}(v_1 + v_2)(1 - \tfrac{1}{20}) - 0.075\,(s_2 - s_1)$$

Had the data and method of interpolation of the provisional places of the stars been perfectly consistent with the definitive quantities, the right ascension for 1755, obtained by subtracting $\triangle$ R.A. from the right ascension for 1850, would have agreed exactly with that obtained by correcting the provisional place. But, owing to the want of a rigorous reduction already pointed out, small discordancies were to be expected. In a large majority of cases the discordance was less than $0^s.01$ and rarely or never amounted to $0^s.02$, unless from some error of computation to be rectified. It was then judged best to render the right ascensions for 1755 and the centennial variations consistent with each other by an adjustment. In general one-third the discordance was applied to the place for 1755 and two-thirds to the centennial variation. But this proportion was subject to change in exceptional cases. The general result aimed at was that the numbers should be as nearly as possible the same as if a rigorous theory had been adopted at the outset.

The above descriptions apply only to the original catalogue. In the extension of it made by Master Chauncey Thomas, U. S. N., it was considered better to use the more elegant process of reducing each catalogue place to 1850 by precession alone and then to obtain the position and proper motion for this epoch by the usual method.

In the original formation of a catalogue, assuming the proper motions to be entirely unknown, this is the preferable process. But in future it will probably be found more convenient, at least in the case of fundamental stars, to reduce the provisional places to the epoch of each catalogue and work only with the residual differences between the two positions. This is in fact using the general astronomical method of correcting elements.

Ulterior details respecting the construction of the catalogue, will be given in connection with it.

§3. FORMATION OF THE DECLINATIONS.

As already stated, the normal catalogue to which all the declinations are reduced is that of Mr. Lewis Boss. This catalogue has since been published as Appendix H to the American Report of the *Northern Boundary Commission*.*

* Reports upon the Survey of the Boundary between the Territory of the United States and the Possessions of Great Britain from the Lake of the Woods to the Summit of the Rocky Mountains, authorized by an act of Congress approved March 19, 1872. Archibald Campbell, esq., Commissioner; Capt. W. J. Twining, Corps of Engineers, brevet major U. S. A., Chief Astronomer. Washington: Government Printing Office. 1878.

The most important modification which had to be made in using Mr. Boss's tables arose from the substitution of AUWERS's reduction of BRADLEY's observations for that of BESSEL. Mr Boss's systematic corrections were applicable only to BESSEL's positions. It was therefore necessary to find the correction to be applied to AUWERS's declinations in order to reduce them to the same fundamental system. Boss's systematic correction to each of BRADLEY's zodiacal stars was taken from the table, which has since been published, page 496 [90] of Mr. Boss's paper, and the result compared with Dr. AUWERS's definitive reduction.

It would have been much better had all the zodiacal stars of Mr. Boss's catalogue been definitely reduced to 1755 and compared with AUWERS's corrections. This course was not, however, at the time practicable.

The following table shows the mean result for each hour of right ascension in the sense of Boss's correction to AUWERS's definitive declination. The argument 0° gives the mean result for all the stars between $23^h\ 30^m$ and $0^h\ 30^m$ of right ascension; the argument 15° the mean result from $0^h\ 30^m$ to $1^h\ 30^m$, etc.:

Right ascension.	Boss-Auwers.	Number of stars.	Right ascension.	Boss-Auwers.	Number of stars.
°	″		°	″	
0	+0.98	30	180	+2.58	17
15	1.70	37	195	2.48	25
30	1.65	28	210	2.99	19
45	1.61	35	225	2.29	26
60	1.45	67	240	2.10	31
75	0.89	34	255	1.64	26
90	1.57	45	270	1.47	26
105	0.74	39	285	1.06	30
120	1.14	44	300	1.60	25
135	1.71	37	315	0.65	36
150	2.14	33	330	0.71	47
165	+2.66	31	345	+0.66	37

It will be remarked that since the stars to which this table refers are on the average within 3° or 4° of the ecliptic the corrections are functions both of the right ascension and declination. Owing, however, to this arrangement, it is impossible to separate quantities depending on the right ascension from those depending on the declination. The best practical course, therefore, seems to be to leave in abeyance the general form of correction and to tabulate it as a function of the right ascension alone. Developing the residuals in the usual way the result is—

$$\text{Boss—Auwers} = +1''.60 - 0''.68 \cos\alpha + 0''.32 \cos 2\alpha - 0.10 \sin\alpha + 0.38 \sin 2\alpha$$

In cases of this sort the terms in 2α are generally to be regarded as accidental. It was therefore deemed best to omit them and to apply only the expression

$$+1''.60 - 0''.68 \cos\alpha - 0''.10 \sin\alpha$$

In applying this correction to AUWERS's results from BRADLEY's observations I do not wish to be considered as indorsing its reality, but have used it only in order that all the declinations might be reduced to the same system. I believe that considerable

weight would have been added to Boss's results had he been able to use AUWERS's *Bradley* as one of the normal catalogues. It may be expected that the additional data accumulated during the next fifteen or twenty years will lead to a more certain result.

Catalogues used for Declinations.—These were, in the main, the same as in the case of the right ascensions, with the following additions:

(1) *Cambridge*, 1840.—Mean results from the Cambridge observatories from 1836 to 1844, as found in the several annual volumes of observations.

(2) *Paris*, 1860.—Mean results from the Paris observations of 306 "étoiles fondamentales" made with the Gambey mural circle, 1854–'63, as found in the several annual volumes of observations.

(3) *Paris*, 1865.—Similar results from the observations with the new meridian instrument, 1863–'67.

(4) *Melbourne*, 1870.—First Melbourne General Catalogue of 1227 stars for the epoch 1870. Melbourne, 1874.

The several tables of systematic corrections which have been applied, and the weights, as dependent on the number of observations, will be found in Mr. Boss's work, pages 560–567.

The deduction of the definitive declinations has been carried out in the same way as in the case of the right ascensions. The most important modifications were these:

(1) An approximate proper motion was used in interpolating the provisional places compared with the several catalogues.

(2) In the same interpolation account was taken of the change in the secular variation of the annual motion; in other words, the term multiplied by the cube of the time was retained.

(3) All the results were computed to 0″.01, with the definitive values of the annual motions.

In consequence of these changes, the average discrepancy between the places for 1755, as obtained by applying the computed correction, $a - 0.95\,b$, to the provisional place, and those obtained by direct computation from the definitive centennial motions is less than 0″.02.

§4. POSITIONS OF THE NINE PRINCIPAL STARS OF THE PLEIADES.

The mode of treating the stars of this group was in some points exceptional. A question which naturally presents itself in investigating their positions is that of their relative proper motion. We might proceed on either of two hypotheses; first, that the place of each star is to be determined independently on the supposition that its proper motion is independent of that of the others; second, that they all have a common and equal proper motion. If the differences of the proper motions decidedly exceed the probable errors of the separate determinations, we should choose the first hypothesis; otherwise the second. On either hypothesis our first step must be to determine each star independently, and this was done in the same way as with all the other stars. It was thus found that there was no conclusive evidence of change from the meridian observations alone, and that the common proper motions $+ 0^s.088$ in R. A. and $- 5''.87$ in declination for the entire group, would satisfy all these observations within their possible limits of error.

As a still further test of the invariableness of their relative positions, and a means of further correcting these positions, the triangulations of BESSEL and of WOLF were called into requisition. The former work is found in BESSEL's *Astronomische Untersuchungen*, vol. 1, pp. 209–238, the latter in the *Comptes Rendus* of the French Academy for 1875. It has since appeared in *Annales de l'Observatoire de Paris, Memoires*, XIV.

The date of BESSEL's triangulation is 1840, that of WOLF's 1874, so that the elapsed time exceeds one-third of a century. Both of these sets of positions were reduced to 1850 with the common proper motion already given, and the results compared with the meridian observations. There was no marked resemblance between the signs of the differences WOLF—BESSEL and the signs of the relative proper motions indicated by the meridian observations; so that an additional proof of the unreality of these proper motions was obtained. I therefore conclude that although a certain amount of relative proper motion must exist in this group, yet the apparent motions, as observed, are as much due to errors of observation as to the actually existing motions, and when the latter shall finally be discovered they will, on the average, be found as near to zero as to the values indicated by all the observations yet made. Consequently, the most probable values of these relative proper motions must be regarded as zero.

It is evident that from the data described we shall have two classes of results for the position of each individual star of the group. The one is the result of the meridian observations of that particular star; the other the result of the triangulations between that and all the other stars, combined with the meridian observations of those other stars.

Since the triangulation can give only relative positions, the mean of the entire group should remain as determined by the meridian observations. We must therefore apply to the results of the triangulations such constant corrections that this result shall be attained. These corrections are:

In R. A.,	Bessel,	$-\ 0^s.03$
	Wolf,	$-\ 0.04$
In Dec.,	Bessel,	$+\ 0''.69$
	Wolf,	$+\ 0.04$

In combining the several results, the relative weights assigned were as follows:

In R. A.		In Dec.	
Mer. obs.,	Wt. = 1	Mer. obs.,	Wt. = 1
Bessel, "	Wt. = 2	Bessel, "	Wt. = 3
Wolf, "	Wt. = 1	Wolf, "	Wt. = 2

The several steps of the process thus described are shown in the following table. The small figures after the individual proper motions show the relative weights which have been assigned to them. The mean common proper motion of the group obtained by their combination is—

$$\text{In R. A., } \mu = +\ 0^s.088$$
$$\text{In Dec., } \mu = -\ 5''.87$$

Right ascensions of the Pleiades for 1850.0.

Name.	From meridian observations.		Seconds of right ascension from differential measures.		Concluded Right ascension, 1850. o.
	Right ascension, 1850.	Proper motion and weight.	Bessel. $-0^s.030$	Wolf. $-0^s.040$	
	h. *m.* *s.*	*s.*	*s.*	*s.*	*h.* *m.* *s.*
16 *g*, Celæno . .	3 35 53.716	$+0.212_1$	53.723	53.73	3 35 53.723
17 *b*, Electra . .	3 35 58.600	$+0.146_1$	58.595	58.60	3 35 58.598
18, *m*	3 36 13.299	$+0.020_1$	13.292	13.38	3 36 13.315
19 *e*, Tayzeta . .	3 36 17.226	-0.002_1	17.271	17.28	3 36 17.262
20 *c*, Maia . . .	3 36 54.549	$+0.116_2$	54.582	54.54	3 36 54 563
23 *d*, Merope . .	3 37 25.867	$+0.006_1$	25.893	25.90	3 37 25.888
25 η, Alcyone . .	3 38 34.588	$+0.136_4$	34.575	34.55	3 38 34.572
27 ρ, Atlas . . .	3 40 15.077	$+0.074_2$	15.053	15.05	3 40 15.058
28 *h*, Pleione . .	3 40 16.250	-0.068_1	16.216	16.21	3 40 16.223

Declinations of the Pleiades for 1850.

Name.	From meridian observations.		Seconds of declination from differential measures.		Concluded Declination, 1850.
	Declination, 1850.	Proper motion and weight.	Bessel. $+0''.69$	Wolf. $+0''.04$	
	o ′ ″	″	″	″	o ′ ″
16 *g*, Celæno . .	23 48 47.78	-6.53_1	47.87	47.83	23 48 47.84
17 *b*, Electra . .	23 38 14.76	-5.13_1	14.45	14.65	23 38 14.57
18, *m*	24 21 51.43	-6.31_1	50.40	50.86	24 21 50.73
19 *e*, Tayzeta . .	23 59 31.89	-6.26_1	32.12	32.18	23 59 32.10
20 *c*, Maia . . .	23 53 40.93	-4.82_1	40.68	40.71	23 53 40.73
23 *d*, Merope . .	23 28 36.07	-5.73_1	36.42	36.40	23 28 36.35
25 η, Alarone . .	23 38 13.13	-5.58_5	13.28	13.17	23 38 13.22
27 ρ, Atlas . . .	23 35 25.26	-5.85_1	25.58	25.44	23 35 25.48
28 *h*, Pleione . .	23 40 25.81	-7.96_1	25.76	25.64	23 40 25.73

§ 5. DECLINATIONS OF SIRIUS AND PROCYON.

SIRIUS.

In his researches on the variable proper motion of Sirius (*Publication VII der Astronomischen Gesellschaft, Leipzig*, 1868), AUWERS has found a correction, r, to its declination, defined as follows: Let r_1 and r_2 be the respective corrections to be applied to the declinations of Sirius in the *Tabulæ Regiomontanæ*, in order that this declination may be correct relatively to those of β Orionis and α Hydræ, respectively. Then AUWERS puts

$$r = \tfrac{1}{2}(r_1 + r_2)$$

It follows that if the corrections to the declinations of β Orionis and α Hydræ in the *Tabulæ Regiomontanæ* are respectively Δ_1 and Δ_2, the correction to the declination of Sirius in the same tables will be

$$\tfrac{1}{2}(\Delta_1 + \Delta_2) + r$$

By comparing the positions of β Orionis and α Hydræ in Boss's catalogue with those of the *Tabulæ Regiomontanæ*, we find:

$$\begin{aligned} \Delta_1 &= +1''.48 + 2''.44\,T + 0''.01 \times \tfrac{1}{2}T^2 - 0''.22 \times \tfrac{1}{6}T^3 \\ \Delta_2 &= +1''.29 + 0''.89 + 0''.35 + 0''.76 \\ \tfrac{1}{2}(\Delta_1 + \Delta_2) &= +1''.38 + 1''.66 + 0''.18 + 0''.27 \end{aligned}$$

T being counted from 1850. AUWERS finds for the value of r:

$$r = +0''.84 + 1''.47\,T + P'$$

P′ representing the purely periodic term arising from the orbital revolution of the companion of Sirius. The total correction to the place of Sirius *in the Tabulæ Regiomontanæ* would then be

$$+2''.23 + 3''.13\,T + 0''.18 \times \tfrac{1}{2}T^2 + 0''.27 \times \tfrac{1}{6}T^3 + P'$$

But by comparing the secular variation of the centennial motion, $-37''.44 + 0''.13\,T$, with that of BESSEL, $-38''.0$, it seems that the actual correction must be of the form—

$$a + bT + 0''.56 \times \tfrac{1}{2}T^2 + 0''.13 \times \tfrac{1}{6}T^3 + P'$$

The difference in the coefficients of T^2 will produce a difference of only $0''.17$ in the declinations for 1755; we may therefore omit any adjustment on account of it, and put for the total correction to the declination of Sirius—

$$+2''.23 + 3''.13\,T + 0''.56 \times \tfrac{1}{2}T^2 + 0''.13 \times \tfrac{1}{6}T^3 + P'$$

PROCYON.

The declination of this star is determined on the same principle with that of Sirius, from the investigation of AUWERS in his paper.

The comparison is, however, made, not with the *Tabul Regiomontanæ*, but with the *Tabulæ Reductionum* of WOLFERS. The stars of comparison are α Ceti, α Orionis, α Serpentis, γ, α, and β Aquilæ, and α Aquarii, but the three stars of Aquila receive only the weight of two. In the value of Δ we may omit writing the terms depending on T^2 and T^3, since they are not used in obtaining the final result. By comparing

the corrections of WOLFERS to the *Tabulæ Regiomontanæ* with the declinations of the present paper we find the following values of Δ:

α Ceti - - -	$\Delta^1 = +0.04$	$+1.88\,T$
α Orionis - - -	$\Delta_2 = +0.18$	$+0.76$
α Serpentis - -	$\Delta_3 = -0.50$	-2.66
γ Aquilæ - - -	$\Delta_4 = -0.35$	-1.45
α Aquilæ - - -	$\Delta_5 = -0.40$	-1.35
β Aquilæ - - -	$\Delta_6 = -0.12$	$-1\,02$
α Aquarii - - -	$\Delta_7 = -0.24$	-1.06
Mean by weights -	$\Delta = -0.18$	$-0.605\,T$
AUWERS'S r - - -	$+0.39$	$+0.931\,T + P'$
Total correction - -	$+0.204$	$+0.326\,T + P'$

This correction, omitting P', being applied to the place of the *Tabulæ Reductionum*, gives the declination in the table.

§ 6. CIRCUMPOLAR STARS.

In the case of stars within 30° of the pole an accurate reduction between epochs a century apart cannot be effected without other data than those given for the ecliptic and time stars. It was judged that the convenience of astronomers using the catalogue would be subserved by presenting data for the stars in the same general form as for others, with the addition of such intermediate epochs that the reductions could be effected without the employment of higher powers of the time. Hence stars between 10° and 30° from the pole have data given for each half century, or to speak more exactly, for the epochs 1755, 1800, 1850, and 1900. In the case of stars yet nearer the pole the epochs 1755, 1825, and 1875 are added.

The declinations of the circumpolar stars are all taken from Boss's catalogue for the epoch 1875.

The right ascensions have not been independently investigated, but are taken from the second edition of Dr. GOULD'S catalogue, published by the United States Coast Survey, and based upon Dr. GOULD'S extended investigations found in Volume VI of the Astronomical Journal. Although these right ascensions may be at the present time susceptible of correction, it was judged best to adhere to them for the following reasons:

1st. They had been retained in the American Ephemeris for 1881, in which new declinations had been introduced, and it was judged best to make changes only at few epochs. They had also been so extensively used by the Coast Survey and other authorities as to form a standard of reference which it was desirable not to change except when a great and permanent improvement was possible.

2d. Their definitive amelioration is not practicable until Dr. AUWERS'S reductions of BESSEL'S observations are available.

3d. Each astronomer can readily apply for himself such corrections as may appear necessary.

It will probably be found that the easiest way of making these corrections will

be to reduce each star to the epoch of the catalogue of observation and work with the correction thus indicated for that particular epoch. For all except two or three of the closest polar stars the correction of each co-ordinate may be assumed to increase uniformly with the time.

To form a set of data in which the positions, centennial variations, and secular variations for each epoch should be perfectly consistent throughout, several troublesome modifications were found necessary. The coefficients of reduction given by GOULD and BOSS, respectively, could not be used unchanged, because those for each co-ordinate depended upon the value of the other co-ordinate, and must therefore be changed with it. It was therefore necessary to compute anew for each epoch the constants corresponding to it and to combine these results in such a way as to secure homogeneity and consistency.

In the case of the close polar stars both the positions and the proper motions were reduced from 1855 to the several epochs by the rigorous trigonometrical formulæ, the constants being those founded on Struvé's precession. These reductions were, in the first place, made with Dr. GOULD'S proper motion in declination, but it was easy to correct them, so that they should give Boss's proper motion for the epoch 1875.

The positions and proper motions for this epoch include all the data necessary for computing the precessions and secular variations for the different epochs. The centennial variations were then found by applying the proper motion to the precession. The original reductions were next checked by computing the change of position between each pair of consecutive epochs from the centennial variations, secular variations, etc., and comparing it with the actual difference given by the trigonometrical reduction.

In the case of stars more than 15° from the pole the trigonometrical reduction was not necessary. Generally Dr. GOULD'S coefficients gave results which need little correction, and this little, when necessary, was derived from the computed elements of motion for the different epochs.

§ 7. EXPLANATION OF THE CATALOGUE.

The catalogue is arranged so that all the data pertaining to the right ascension shall be on the left-hand pages, and those pertaining to the declinations on the right-hand pages.

In the case of the stars observed by BRADLEY, the positions and other data are given for the two fundamental Besselian epochs 1755.0 and 1850.0. In some cases stars not observed by BRADLEY have been given for both of these epochs. In the case of fundamental time stars the positions are also given for 1900. The precession and secular variation for each epoch are independently computed, so that their general agreement will serve as a check upon their accuracy.

On the left-hand page the fourth column gives, opposite the epoch 1755, the number of observations made by BRADLEY in right ascension. Opposite 1850 is given the number of observations made at Greenwich, Pulkowa, and Washington since 1840, which have been used in preparing the catalogue.

Observations at other observatories have been omitted in the enumeration,

although employed in obtaining the final result. In some cases, as, for instance, those of the Pulkowa fundamental time stars, no precise number of observations could be assigned. The object of this column is rather to give a general idea of the weight of the result than a precise enumeration of the observations.

Column *Right Ascension* gives the right ascension of each star for the several epochs, as already explained. The epoch 1850 has been taken as a fundamental one, and, for the most part, the positions for other epochs have been derived from those for 1850 by the centennial variation, etc., deduced from observations.

The equinox to which all the stars are reduced is that of my paper of 1872 on the *Right Ascensions of the Equatorial Fundamental Stars.* (Washington Observations for 1870, Appendix II.) The results obtained by Dr. AUWERS for BRADLEY'S equinox, and the recent Greenwich observations, render it probable that the adopted equinox is nearly correct for 1850, but that the centennial variations require a general correction of perhaps — 0^s.05. Further researches are, however, necessary before a definitive result for the motion of the equinox can be derived.

The right ascensions of the 32 Maskelyne stars in the investigation of 1872 are transferred without alterations to the present catalogue

The centennial variation derived in the first place for the epoch 1850 has usually been regarded as a fundamental one, and that for other epochs has been derived from it by the secular variations given in the following column.

The precessions are computed strictly from STRUVE'S constant, using the formulæ given in the star tables of the American Ephemeris and in part reprinted on p. 172 of the present paper. But, as a general rule, the precessions and secular variations were derived before the definitive positions of the stars were worked out, and did not, therefore, in all cases accurately correspond to the finally concluded positions. In general, however, where any important discrepancy would thus be produced, the precessions and secular variations have been recomputed with the definitive data.

The proper motions are generally obtained by subtracting the precessions from the centennial variations. The differences among the proper motions thus found arise partly from incongruity of the data, imperfections of calculation, etc., but mostly from the change in the direction of the meridian produced by precession.

With a view of detecting any serious error in the proper motions the secular variation of the proper motion has been independently computed by the formula given in the present paper in the case of those stars of the American Ephemeris which have a considerable proper motion. The result of this computation is given in the last column.

In the case of circumpolar stars the above method of obtaining the centennial variations for the different epochs would not always have been reliable. In this case, therefore, the secular variation of the proper motion was carefully computed for several epochs and the proper motions for past and future epochs obtained by applying the changes thus indicated to the proper motions for the fundamental epoch. The precessions being also computed for the different epochs, the centennial variations were obtained by applying the proper motions to them.

On the right-hand pages the third column gives, for the epoch 1850, the magnitudes of the stars taken in the order of preference from the following authorities.

1. GOULD, *Uranometria Argentina.*

2. HEIS, *Atlas Coelestis Novus*, Köln, 1872.

3. ARGELANDER, *Bonner Sternverzeichniss*, commonly called the *Durchmusterung; Astronomische Beobachtungen auf der Sternwarte zu Bonn*, vols. iii, iv

Opposite epoch 1755 are given the magnitudes of BESSEL'S *Fundamenta.*

In both cases the fractions of a magnitude are expressed decimally.

The general method of arranging the data for the declinations is substantially the same as for the right ascensions, and therefore needs no additional explanation.

§ 8. FORMULÆ FOR REDUCING THE CATALOGUE PLACES TO OTHER EPOCHS.

It is supposed that the data given in connection with the place of each star will suffice for its reduction to any epoch between 1750 and 1900, by TAYLOR'S Theorem. To effect this we take the catalogue epoch nearest that to which the star is to be reduced, and put—

T, the interval, in units of a century.

α_0, the star position for the catalogue epoch.

c_0, the centennial variation for the same epoch.

s, the secular variation for the same epoch.

s', the derivative of s at this epoch, the unit of time being a century.

s'', the second derivative of s, etc.

Then:

$$\alpha = \alpha_0 + \mathrm{T}\, c_0 + \tfrac{1}{2}\mathrm{T}^2 s_0 + \tfrac{1}{6}\mathrm{T}^3 s_0' + \tfrac{1}{24}\mathrm{T}^4 s_0'' + \text{etc.} \qquad (1)$$

The values of c_0 and s_0 are always given in the catalogue. Those of s_0', s_0'', etc., will not always be required, but when required, are readily deduced from the values of s for different catalogue epochs.

In the most general case the values of s_0', s_0'', etc., may be formed from the successive differences of s by the usual formulæ, namely, these differences being arranged according to the following usual scheme:

$$\begin{array}{lllll}
s_{-2} & & & & \\
 & \Delta'_{-\frac{3}{2}} & & & \\
s_{-1} & & \Delta''_{-1} & & \\
 & \Delta'_{-\frac{1}{2}} & & \Delta'''_{-\frac{1}{2}} & \\
s_0 & & \Delta''_{0} & & \\
 & \Delta'_{\frac{1}{2}} & & \Delta'''_{\frac{1}{2}} & \\
s_1 & & \Delta''_{1} & & \\
 & \Delta'_{\frac{3}{2}} & & & \\
s_2 & & & &
\end{array}$$

where

$$\begin{array}{ll}
\Delta'_{-\frac{3}{2}} = s_{-1} - s_{-2} & \Delta''_{-1} = \Delta'_{-\frac{1}{2}} - \Delta'_{-\frac{3}{2}} \\
\Delta'_{-\frac{1}{2}} = s_0 - s_{-1} & \Delta''_{0} = \Delta'_{\frac{1}{2}} - \Delta'_{-\frac{1}{2}} \\
\Delta'_{\frac{1}{2}} = s_1 - s_0 & \Delta''_{1} = \Delta'_{\frac{3}{2}} - \Delta'_{\frac{1}{2}} \\
\text{etc.,} \quad \text{etc.,} & \text{etc.,} \quad \text{etc.}
\end{array}$$

we put

$$\Delta'_0 = \tfrac{1}{2}(\Delta'_{-\frac{1}{2}} + \Delta'_{\frac{1}{2}})$$
$$\Delta'''_0 = \tfrac{1}{2}(\Delta'''_{-\frac{1}{2}} + \Delta'''_{\frac{1}{2}})$$
$$\text{etc.,} \qquad \text{etc.}$$

and then find

$$s'_0 = \frac{ds}{d\mathrm{T}} = n\,(\Delta'_0 - \tfrac{1}{6}\,\Delta'''_0 + \tfrac{1}{30}\,\Delta^{\mathrm{v}}_0 - \text{etc.})$$
$$s''_0 = \frac{d^2s}{d\mathrm{T}^2} = n^2\,(\Delta''_0 - \tfrac{1}{12}\,\Delta^{\mathrm{iv}}_0 + \text{etc.})$$
$$s'''_0 = \frac{d^3s}{d\mathrm{T}^3} = n^3(\Delta'''_0 - \tfrac{1}{4}\,\Delta^{\mathrm{v}}_0)$$

n being the factor by which the interval between epochs must be multiplied to make 100 years. These values of s are to be introduced into the equation (1).

When several reductions are to be computed to the same epoch it may be a little more convenient to introduce Δ', Δ'', etc., directly into the formulæ instead of s', s'', etc. If we make this substitution, stopping at s''' and Δ'''_0, the result will be

$$\alpha = \alpha_0 + \mathrm{T}c_0 + \tfrac{1}{2}\mathrm{T}^2 s_0 + \frac{n}{6}\mathrm{T}^3\,\Delta'_0 + \frac{n^2}{24}\mathrm{T}^4\,\Delta''_0 + \left(\frac{n^3}{120}\mathrm{T}^5 - \frac{n}{36}\mathrm{T}^3\right)\Delta'''_0$$

It will be remarked that the coefficients of Δ'_0, Δ''_0 and Δ'''_0 will be very minute fractions, so that these quantities are not required with great precision. When, owing to the epoch being near the end of the series, their values are not given by differencing, they may be found with sufficient accuracy by extending the successive orders of differences by induction.

When the interval is 95 years, $n = \frac{20}{19}$
When the interval is 50 years, $n = 2$
When the interval is 45 years, $n = \frac{20}{9}$
When the interval is 25 years, $n = 4$
When the interval is 20 years, $n = 5$

REDUCTION BETWEEN TWO CATALOGUE EPOCHS.

As a check upon the numbers of the catalogue it is desirable to compute the change of position between two catalogue epochs in order to see whether it agrees with the difference between the assigned positions. The following is a simple way of effecting this. Put

c_0, s_0, etc., the centennial variation, etc., for the first epoch;
c_1, s_1, etc, the same for the second epoch;
t the fraction of a century between the epochs;
$\alpha_{\frac{1}{2}}$ the position for the middle of the elapsed interval. Then—

$$\alpha_{\frac{1}{2}} = \alpha_0 + \frac{t}{2}c_0 + \frac{t^2}{8}s_0 + \frac{t^3}{48}s'_0 + \frac{t^4}{384}s'' + \frac{t^5}{3840}s'''_0$$
$$\alpha_{\frac{1}{2}} = \alpha_1 - \frac{t}{2}c_1 + \frac{t}{8}s_1 - \frac{t^3}{48}s_1 + \frac{t^4}{384}s''_1 - \frac{t^5}{3840}s'''_1$$

whence

$$\alpha_1 - \alpha_0 = \frac{t}{2}(c_1 + c_0) - \frac{t^2}{8}(s_1 - s_0) + \frac{t^3}{48}(s_1' + s_0') - \frac{t^4}{384}(s_1'' - s_0'')$$
$$+ \frac{t^5}{3840}(s_1''' + s_0''') - \text{etc.}$$

Since each of the quantities c, s, s', etc., is the derivative of the preceding one, their differences are given by a series of the same kind, namely:

$$s_1 - s_0 = \frac{t}{2}(s_1' + s_0') - \frac{t^2}{8}(s_1'' - s_0'') + \frac{t^3}{48}(s_1''' + s_0''') - \text{etc.}$$
$$s_1'' - s_0'' = \frac{t}{2}(s_1''' + s_0''') - \text{etc.}$$

Making these substitutions we find:

$$\alpha_1 - \alpha_0 = \frac{t}{2}(c_1 + c_0) - \frac{t^3}{24}(s_1' + s_0') + \frac{t^5}{240}(s_1''' + s_0''')$$

From the equations which give the values of the derivatives of s in terms of its differences, putting $n = \frac{1}{t}$, we have by simple reductions:

$$s_0' + s_1' = \frac{1}{t}(2\,\Delta_{\frac{1}{2}}' + \tfrac{1}{6}\Delta_{\frac{1}{2}}''')$$
$$s_1''' + s_0''' = \frac{2}{t^3}\Delta_{\frac{1}{2}}'''$$

Making these substitutions in the value of $\alpha_1 - \alpha_0$, it reduces to

$$\alpha_1 - \alpha_0 = \frac{t}{2}(c_1 + c_0) - \frac{t^2}{12}\Delta_{\frac{1}{2}}' + \frac{t^2}{720}\Delta_{\frac{1}{2}}'''$$

The following are special cases of this formula:

A. Interval, 95 years:

$$\alpha_1 - \alpha_0 = 0.475\,(c_1 + c_0) - 0.075\,\Delta_{\frac{1}{2}}'$$

which may be readily computed when put into the form—

$$\alpha_1 - \alpha_0 = \frac{c_1 + c_0}{2}\left(1 - \frac{1}{20}\right) - \frac{3}{40}\Delta_{\frac{1}{2}}'$$

B. Interval, 50 years:

$$\alpha_1 - \alpha_0 = \frac{c_1 + c_0}{4} - \frac{1}{48}\Delta_{\frac{1}{2}}' + \frac{1}{2880}\Delta_{\frac{1}{2}}'''$$

C. Interval, 25 years:

$$\alpha_1 - \alpha_0 = \frac{c_1 + c_0}{8} - \frac{1}{192}\Delta_{\frac{1}{2}}' + \frac{1}{11\,520}\Delta_{\frac{1}{2}}'''$$

REDUCTION TO ANY EPOCH.

The following are the principal special forms which will be found useful in reduction to different epochs. They vary with the number and interval of the catalogue epochs, and are therefore classified accordingly.

CLASS A.—*Zodiacal stars.*

Epochs 1755, 1850.

For $1850 + T$

$$\alpha = \alpha_0 + T\,c_0 + \tfrac{1}{2}T^2 s_0 + \tfrac{1}{6}\tfrac{20}{19}T^3 \triangle s,$$

$\triangle s$ being the increment of the secular variation from 1755 to 1850.
Especially, to reduce to—

$$\begin{aligned}
1860,\ \alpha &= \alpha_0 + \tfrac{1}{10}c_0 + \tfrac{1}{200}s_0 \\
1870,\ \alpha &= \alpha_0 + \tfrac{1}{5}c_0 + \tfrac{1}{50}s_0 + \tfrac{1}{712}\triangle s \\
1875,\ \alpha &= \alpha_0 + \tfrac{1}{4}c_0 + \tfrac{1}{32}s_0 + \tfrac{1}{365}\triangle s \\
1880,\ \alpha &= \alpha_0 + 0.3\,c_0 + 0.045\,s_0 + 0.0047\triangle s \\
1890,\ \alpha &= \alpha_0 + 0.4\,c_0 + 0.080\,s_0 + 0.0112\triangle s \\
1900,\ \alpha &= \alpha_0 + \tfrac{1}{2}c_0 + \tfrac{1}{8}s_0 + 0.0219\triangle s
\end{aligned}$$

For corresponding epochs before 1850, as far back as 1800, change the signs of the coefficients of c_0 and of $\triangle s$.

For epochs between 1755 and 1800 take the values of c and s corresponding to 1755 and count T from this epoch.

CLASS B.—*Time and standard stars.*

Epochs 1755, 1850, 1900.

For epochs previous to 1850, compute as in Class A.

For epochs between 1850 and 1900 put

c_0, centennial variation for 1850.
c_1, centennial variation for 1900.
s_0, secular variation for 1850.
s_1, secular variation for 1900.
$\triangle' s$, secular variation for 1900 *minus* secular variation for 1850

Then in general, we may use either of the forms—

$$\alpha = \alpha_0 + T\,c_0 + \tfrac{1}{2}T^2 s_0 + \tfrac{1}{3}T^3 \triangle s \quad . \quad . \quad . \quad \text{(T from 1850)}$$
$$\alpha = \alpha_1 + T\,c_1 + \tfrac{1}{2}T^2 s_1 + \tfrac{1}{3}T^3 \triangle s \quad . \quad . \quad . \quad \text{(T from 1900)}$$

Especially, to reduce to —

$$1860,\ \alpha = \alpha_0 + \tfrac{1}{10}\, c_0 \ + \tfrac{1}{200}\, s_0$$

$$1870,\ \alpha = \alpha_0 + \tfrac{1}{5}\, c_0 \ + \tfrac{1}{50}\, s_0 \ + (\tfrac{1}{375} = 0.002\,66)\ \Delta s$$

$$1875,\ \alpha = \alpha_0 + \tfrac{1}{4}\, c_0 \ + \tfrac{1}{32}\, s_0 \ + (\tfrac{1}{192} = 0.0052)\ \Delta s$$

$$1880,\ \alpha = \alpha_0 + 0.3\, c_0 + 0.045\, s_0 + 0.0090\ \Delta s$$

$$1880,\ \alpha = \alpha_1 - \tfrac{1}{5}\, c_1 \ + \tfrac{1}{50}\, s_1 - 0.002\,66\ \Delta s$$

$$1890,\ \alpha = \alpha_1 - \tfrac{1}{10}\, c_1 \ + \tfrac{1}{200}\, s_1$$

Class C.—*Circumpolar stars.*

Data given for 1755, 1800, 1850, 1900.

Let c_0 be the centennial variation.

s_0, the secular variation.

Δ_0, the mean first difference of s for 50 years for the catalogue epoch nearest that to which the star is to be reduced.

$$\alpha = \alpha_0 + \mathrm{T}\, c_0 + \tfrac{1}{2}\mathrm{T}^2 s_0 + \tfrac{1}{3}\mathrm{T}^3\, \Delta_0$$

For 5 years: $\alpha - \alpha_1 = \tfrac{1}{20} c_0 + \tfrac{1}{800} s_0 + \tfrac{1}{24\,000}\ \Delta$

For 10 years: $\alpha - \alpha_1 = \tfrac{1}{10} c_0 + \tfrac{1}{200} s_0 + \tfrac{1}{3000}\ \Delta_0$

For 15 years: $\alpha - \alpha_1 = 0.15\, c_0 + 0.011\,25\, s_0 + 0.001\,125\ \Delta_0$

For 20 years: $\alpha - \alpha_1 = \tfrac{1}{5} c_0 + \tfrac{1}{50} s_0 + 0.002\,67\ \Delta_0$

For 25 years: $\alpha - \alpha_1 = \tfrac{1}{4} c_0 + 0.031\,25\, s_0 + 0.005\,20\ \Delta_0$

Class D.—*Data for intervals of twenty-five years.*

Δ_0' the mean first difference for 25 years according to the scheme of differences given at the beginning of this section.

Δ_0'' the second difference for 25 years.

Δ_0''' the mean third difference for 25 years.

Then, in general,

$$\alpha' = \alpha_0 + \mathrm{T} c_0 + \tfrac{1}{2}\mathrm{T}^2 s_0 + \tfrac{2}{3}\mathrm{T}^3\, \Delta_0' + \tfrac{2}{3}\mathrm{T}^4\, \Delta_0'' + (\tfrac{8}{15}\mathrm{T}^5 - \tfrac{1}{9}\mathrm{T}^3)\ \Delta_0'''$$

Especially,

For — 10 years:

$$\alpha = \alpha_0 - \tfrac{1}{10} c_0 + \tfrac{1}{200} s_0 - \tfrac{1}{1500}\ \Delta_0' + \tfrac{1}{15\,000}\ \Delta_0'' - 0.000\,10\ \Delta_0'''$$

For — 5 years:

$$\alpha = \alpha_0 - \tfrac{1}{20}\, c_0 + \tfrac{1}{800}\, s_0 - \tfrac{1}{12\,000}\ \Delta_0' + \tfrac{1}{240\,000}\ \Delta_0''$$

For 5 years:

$$\alpha - \alpha_0 = \tfrac{1}{20}\, c_0 + \tfrac{1}{800}\, s_0 + \tfrac{1}{12\,000}\ \Delta_0' + \tfrac{1}{240\,000}\ \Delta_0''$$

For 10 years:

$$\alpha - \alpha_0 = \tfrac{1}{10}\, c_0 + \tfrac{1}{200}\, s_0 + \tfrac{1}{1500}\ \Delta_0' + \tfrac{1}{15\,000}\ \Delta_0'' - 0.000\,10\ \Delta_0'''$$

HILL'S FORMULÆ FOR THE SECULAR VARIATION OF THE ANNUAL MOTION AND PROPER MOTION OF THE STARS.

μ, the centennial proper motion in R. A., expressed in seconds of time.

μ', the same in declination, expressed in seconds of arc.

p, p', the centennial precessions in R. A. and Dec. at any epoch, expressed in the same units as μ and μ'.

Then:

$$p = m + n \sin \alpha \tan \delta$$

$$p' = n \cos \alpha$$

$$\frac{d\alpha}{dT} = p + \mu$$

$$\frac{d\delta}{dT} = p' + \mu'$$

$$\begin{aligned}\frac{d^2\alpha}{dT^2} = &+ 0^s.322 \\ &- [6.6338]\, p \\ &+ [7.9878]\, (p + 2\mu) \cos \alpha \tan \delta \\ &+ [6.8117]\, (p' + 2\mu') \sin \alpha \sec^2 \delta \\ &+ [4.9866]\, \mu\, \mu' \tan \delta\end{aligned}$$

$$\begin{aligned}\frac{d^2\delta}{dT^2} = &- [6.6338]\, p' \\ &- [9.1640]\, (p + 2\mu) \sin \alpha \\ &- [6.7367]\, \mu^2 \sin 2\delta\end{aligned}$$

$$\begin{aligned}\frac{d\mu}{dT} = &\quad [7.9878]\, \mu \cos \alpha \tan \delta \\ &+ [6.8117]\, \mu' \sin \alpha \sec^2 \delta \\ &+ [4.9866]\, \mu\, \mu' \tan \delta\end{aligned}$$

$$\begin{aligned}\frac{d\mu'}{dT} = &- [9.1640]\, \mu \sin \alpha \\ &- [6.7367]\, \mu^2 \sin 2\delta\end{aligned}$$

Struve's values of m *and* n.

Year.	*m*	*n*	Log. *n*	*n*	Log. *n*
	s.	*s.*		″	
1750	306.987	133.767	2.126349	2006.50	3.302439
1755	306.997	133.764	2.126339	2006.46	3.302430
1775	307.035	133.753	2.126302	2006.28	3 302392
1800	307.082	133.738	2.126255	2006.07	3.302346
1825	307.130	133.724	2.126209	2005.85	3.302300
1850	307.177	133.710	2.126162	2005.64	3.302253
1875	307.225	133.696	2.126115	2005.42	3.302206
1900	307.272	133.681	2.126069	2005.21	3.302160

CATALOGUE.

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
1	4 Ceti	1755	5	23 55 11.092	+ 307.323	— 0.041	+ 307.188	+ 0.135	
		1850	6	0 0 3.038	307.310	+ 0.013	307.175	0.135	
2	5 Ceti	1755	5	23 55 39.518	+ 307.128	— 0.034	+ 307.165	— 0.037	
		1850	5	0 0 31.283	307.122	+ 0.022	307.160	0.038	
3	*a* Andromedæ	1755	4	23 55 46.413	+ 306.733	+ 1.734	+ 305.701	+ 1.032	+ 0.005
		1850	..	0 0 38.603	308.417	1.812	307.383	1.034	
		1900	..	0 3 13.040	309.333	1.853	308.292	1.041	
4	B. A. C. 5	1850	12	0 1 2.040	+ 307.109	+ 0.037	+ 307.145	— 0.036	
5	B. A. C. 17	1850	11	0 2 38.179	+ 307.088	— 0.113	+ 307.013	+ 0.075	
6	*γ* Pegasi	1755	10	0 0 38.871	+ 307.069	+ 0.929	+ 307.090	— 0.021	
		1850	..	0 5 31.016	307.980	0.989	307.999	0.019	
		1900	..	0 8 5.131	308.482	1.020	308.502	0.020	
7	35 Piscium	1755	5	0 2 22.733	+ 307.869	+ 0.593	+ 307.178	+ 0.691	
		1850	24	0 7 15.485	308.459	0.650	307.771	0.688	
8	36 Piscium	1755	5	0 3 59.888	+ 307.025	+ 0.573	+ 307.277	— 0.252	
		1850	5	0 8 51.829	307.596	0.629	307.849	0.253	
9	38 Piscium	1755	5	0 4 48.507	+ 307.687	+ 0.613	+ 307.366	+ 0.321	
		1850	3	0 9 41.096	308.297	0.670	307.975	0.322	
10	*d* Piscium	1755	5	0 8 0.488	+ 307.545	+ 0.594	+ 307.556	— 0.011	
		1850	68	0 12 52.932	308.136	0.650	308.147	0.011	
11	44 Piscium	1755	5	0 12 51.247	+ 306.868	+ 0.293	+ 307.073	— 0.205	
		1850	32	0 17 42.912	307.172	0.349	307.377	0.205	
12	*β* Hydri	1850	..	0 17 47.12	+ 329.13	—15.88	+ 257.99	+71.14	
		1875	..	0 19 8.92	325.31	15.30	254.92	70.39	
		1900	..	0 20 29.77	321.56	—14.75	251.97	69.59	
13	45 Piscium	1755	5	0 13 5.278	+ 307.997	+ 0.597	+ 307.844	+ 0.153	
		1850	44	0 17 58.152	308.590	0.651	308.437	0.153	
14	10 Ceti	1755	5	0 14 3.983	+ 307.214	+ 0.196	+ 306.795	+ 0.419	
		1850	30	0 18 55.933	307.427	0.252	307.007	0.420	
15	11 Ceti	1755	5	0 17 21.136	+ 307.639	+ 0.157	+ 306.559	+ 1.080	
		1850	4	0 22 13.472	307.814	0.211	306.739	1.075	
16	12 Ceti	1755	5	0 17 32.305	+ 306.036	+ 0.013	+ 306.045	— 0.009	
		1850	243	0 22 23.053	306.074	0.068	306.085	0.011	
		1900	..	0 24 56.100	306.115	0.097	306.127	0.012	
17	51 Piscium	1755	5	0 19 46.562	+ 308.217	+ 0.598	+ 308.127	+ 0.090	
		1850	17	0 24 39.647	308.810	0.651	308.718	0.092	
18	13 Ceti	1755	5	0 22 38.571	+ 308.530	+ 0.056	+ 305.855	+ 2.675	
		1850	46	0 27 31.709	308.610	0.113	305.940	2.670	
19	14 Ceti	1755	5	0 22 58.773	+ 307.457	+ 0.223	+ 306.564	+ 0.893	
		1850	19	0 27 50.965	307.694	0.276	306.801	0.893	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
1	4 Ceti	7.0	1755	− 3 54 49.41	+ 2007.47	+ 0.08	+ 2006.02	+ 1.45	
		6.0	1850	3 23 2.42	2007.09	− 0.87	2005.64	1.45	
2	5 Ceti	7.0	1755	− 3 48 43.44	+ 2005.72	− 0.01	+ 2006.10	− 0.38	
		6.0	1850	3 16 58.15	2005.26	0.96	2005.63	0.37	
3	α Andromedæ	1.0	1755	+27 44 13.80	+ 1989.42	− 0.12	+ 2006.11	−16.69	0.00
		2.0	1850	28 15 43.59	1988.94	0.99	2005.63	16.69	
			1900	28 32 17.91	1988.32	1.49	2005.01	16.69	
4	B. A. C. 5	5.7	1850	− 3 3 27.03	+ 2004.25	− 1.06	+ 2005.62	− 1.37	
5	B. A. C. 17	6.0	1850	6 4 56.50	+ 2002.11	− 1.38	+ 2005.50	− 3.39	
6	γ Pegasi	2.5	1755	+13 49 14.15	+ 2004.61	− 0.99	+ 2006.46	− 1.85	
		2.7	1850	14 20 57.93	2003.21	1.95	2005.06	1.85	
			1900	14 37 39.26	2002.11	2.45	2003.96	1.85	
7	35 Piscium	6.0	1755	+ 7 27 33.39	+ 2003.13	− 1.33	+ 2006.35	− 3.22	
		5.8	1850	7 59 15.62	2001.42	2.28	2004.63	3.21	
8	36 Piscium	6.5	1755	+ 6 52 40.44	+ 2005.22	− 1.64	+ 2006.15	− 0.93	
		6.3	1850	7 24 24.52	2003.21	2.60	2004.14	0.93	
9	38 Piscium	7.5	1755	+ 7 30 27.25	+ 2015.47	− 1.81	+ 2006.01	+ 9.46	
		6.9	1850	8 2 20.98	2013.30	2.76	2003.85	9.45	
10	*d* Piscium	5.5	1755	+ 6 49 39.28	+ 2006.34	− 2.43	+ 2005.23	+ 1.11	
		5.3	1850	7 21 24.06	2003.58	3.39	2002.47	1.11	
11	44 Piscium	6.0	1755	+ 0 34 52.00	+ 2000.85	− 3.38	+ 2003.32	− 2.47	
		5.9	1850	1 6 31.16	1997.19	4.33	1999.65	2.46	
12	β Hydri	2.7	1850	−78 5 57.53	+ 2030.22	− 4.23	+ 1999.60	+30.62	
			1875	77 57 30.11	2029.12	4.56	1998.42	30.70	
			1900	77 49 2.98	2027.96	4.84	1997.19	30.77	
13	45 Piscium	6.0	1755	+ 6 20 5.18	+ 1997.88	− 3.43	+ 2003.19	− 5.31	
		6.9	1850	6 51 41.47	1994.17	4.39	1999.48	5.31	
14	10 Ceti	6.0	1755	− 1 24 31.65	+ 2002.51	− 3.62	+ 2002.68	− 0.17	
		6.2	1850	0 52 51 02	1998.61	4.58	1998.80	0.19	
15	11 Ceti	7.5	1755	− 2 28 12.11	+ 1993.78	− 4.27	+ 2000.71	− 6.93	
		7.8	1850	1 56 40.10	1989.27	5.22	1996.21	6.94	
16	12 Ceti	6.0	1755	− 5 18 50.80	+ 2000.46	− 4.28	+ 2000.59	− 0.13	
		6.0	1850	4 47 12.42	1995.95	5.22	1996.05	0.10	
			1900	4 30 35.12	1993.22	5.72	1993.35	0.13	
17	51 Piscium	6.5	1755	+ 5 35 57.87	+ 1999.28	− 4.74	+ 1999.00	+ 0.28	
		5.8	1850	6 7 34.91	1994.32	5.70	1994.05	0.27	
18	13 Ceti	6.0	1755	− 4 56 41.41	+ 1994.00	− 5.34	+ 1996.67	− 2.67	
		5.7	1850	4 25 9.67	1988.47	6.30	1991.19	2.72	
19	14 Ceti		1755	− 1 51 17.42	+ 1989.72	− 5.36	+ 1996.38	− 6.66	
		6.0	1850	1 19 49.76	1984.17	6.31	1990.86	6.69	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
20	15 Ceti	1755	4	0 25 33.684	+ 306.041	+ 0.238	+ 306.514	— 0.473	
		1850	24	0 30 24.539	306.294	0.294	306.767	0.473	
21	α Cassiopeæ	1755	5	0 26 45.538	330.089	5.253	329.410	+ 0.679	+ 0.010
		1850	449	0 32 1.531	335.194	5.496	334.491	0.703	
		1900	- -	0 34 49.820	337.972	5.621	337.263	0.709	
22	21 Cassiopeæ	1755	5	0 29 56.52	+ 365.28	+14.23	+ 366.38	— 1.10	
		1775	- -	0 31 9.87	368.15	14.51	369.26	1.11	
		1800	- -	0 32 42.36	371.83	14.88	372.95	1.12	
		1825	- -	0 34 15.79	375.60	15.25	376.73	1.13	
		1850	- -	0 35 50.17	379.46	15.64	380.60	1.14	
		1875	- -	0 37 25.52	383.42	16.04	384.57	1.15	
		1900	- -	0 39 1.89	+ 387.48	+16.45	+ 388.64	— 1.16	
23	β Ceti	1755	9	0 31 16.647	+ 302.216	— 0.625	+ 300.611	+ 1.605	— 0.004
		1850	67	0 36 3.478	301.648	0.572	300.041	1.607	
		1900	- -	0 38 34.232	301.370	0.539	299.765	1.605	
24	58 Piscium	1755	5	0 34 16.422	+ 310.984	+ 0.948	+ 310.737	+ 0.247	
		1850	13	0 39 12.293	311.911	1.004	311.665	0.246	
25	60 Piscium	1755	5	0 34 44.622	+ 308.896	+ 0.666	+ 308.905	— 0.009	
		1850	19	0 39 38.382	309.554	0.720	309.564	0.010	
26	62 Piscium	1755	5	0 35 36.165	+ 309.763	+ 0.701	+ 309.157	+ 0.606	
		1850	10	0 40 30.764	310 455	0.756	309.848	0.607	
27	B. A. C. 221	1755	- -	0 35 33.262	+ 313.278	+ 0.580	+ 308.449	+ 4.829	
		1850	29	0 40 31.146	313.852	0.628	309.031	4.821	
28	δ Piscium	1755	5	0 35 59.690	+ 309.718	+ 0.720	+ 309.286	+ 0.432	
		1850	114	0 40 54.256	310.427	0.773	309.994	0.433	
29	B. A. C. 237	1755	- -	0 38 42.313	+ 307.883	+ 0.510	+ 307.802	+ 0.081	
		1850	19	0 43 35.039	308.391	0.561	308.312	0.079	
30	20 Ceti	1755	5	0 40 29.912	+ 305.863	+ 0.289	+ 305.978	— 0.115	
		1850	70	0 45 20.619	306.161	0.340	306.278	0.117	
31	B. A. C. 274	1755	5	0 47 9.005	+ 309.528	+ 0.717	+ 309.467	+ 0.061	
		1850	10	0 52 3.388	310.234	0.769	310.168	0.066	
32	70 Piscium	1755	3	0 49 23.966	+ 310.284	+ 0.807	+ 310.315	— 0.031	
		1850	32	0 54 19.107	311.074	0.858	311.106	0.032	
33	ε Piscium	1755	5	0 50 15.094	+ 309.767	+ 0.810	+ 310.345	— 0.578	
		1850	529	0 55 9.745	310.560	0.860	311.136	0.576	
		1900	- -	0 57 45.134	310.999	+ 0.886	311.574	0.575	
34	26 Ceti	1755	5	0 51 13.425	+ 307.745	+ 0.472	+ 307.021	+ 0.724	
		1850	23	0 56 6.003	308.218	0.523	307.494	0.724	
35	73 Piscium	1755	5	0 52 12.245	+ 309.463	+ 0.698	+ 309.287	+ 0.176	
		1850	5	0 57 6.558	310.151	0.750	309.975	0.176	
36	72 Piscium	1755	3	0 52 11.551	+ 314.263	+ 1.212	+ 314.315	— 0.052	
		1850	8	0 57 10.659	315.440	1.267	315.493	0.053	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
20	15 Ceti	7.0	1755	− 1 51 15.01	+ 1992.13	− 5.82	+ 1994.00	− 1.87	
		6.8	1850	1 19 45.26	1986.16	6.76	1988.02	1.86	
21	α Cassiopeæ	3.0	1755	+55 11 23.66	+ 1988.72	− 6.44	+ 1992.78	− 4.06	− 0.01
		2.5	1850	55 42 49.85	1982.02	7.68	1986.09	4.07	
			1900	55 59 19.88	1978.02	8.32	1982.09	4.07	
22	21 Cassiopeæ	6.0	1755	+73 38 37.07	+ 1987.24	− 7.78	+ 1989.34	− 2.10	
		6.0	1775	73 45 14.38	1985.66	8.11	1987.76	2.10	
			1800	73 53 30 53	1983.59	8.54	1985.68	2.09	
			1825	74 1 46.16	1981.41	8.99	1983.49	2.08	
			1850	74 10 1.21	1979.08	9.45	1981.16	2.08	
			1875	74 18 15.68	1976.67	9.91	1978.74	2.07	
			1900	+74 26 29.53	+ 1974.13	−10.40	+ 1976.20	− 2.07	
23	β Ceti	2.5	1755	−19 20 6.39	+ 1990.32	− 6.88	+ 1987.79	+ 2.53	− 0.03
		2.3	1850	18 48 38.83	1983.36	7.77	1980.86	2.50	
			1900	18 32 8.14	1979.36	8.23	1976.88	2.48	
24	58 Piscium	6.0	1755	+10 37 57.45	+ 1982.52	− 7.62	+ 1984.06	− 1.54	
		5.0	1850	11 9 17.26	1974.82	8.60	1976.36	1.54	
25	60 Piscium	6.0	1755	+ 5 23 56.93	+ 1982.32	− 7.66	+ 1983.44	− 1.12	
		6.2	1850	5 55 16.53	1974.59	8.62	1975.71	1.12	
26	62 Piscium	6.0	1755	+ 5 57 28.89	+ 1982.16	− 7.86	+ 1982.32	− 0.16	
		6.0	1850	6 28 48.23	1974.24	8.83	1974.40	0.16	
27	B. A. C. 221		1755	+ 4 0 59.79	+ 1867.90	− 7.98	+ 1982.36	−114.46	
		5.9	1850	4 30 30.48	1859.84	8.98	1974.37	114.53	
28	δ Piscium	5.0	1755	− 6 14 49.37	+ 1976 97	− 7.94	+ 1981.77	− 4.80	
		4.4	1850	6 46 3.75	1968.95	8.92	1973.78	4.83	
29	B. A. C. 237	7.5	1755	+ 2 3 4.57	+ 1971.04	− 8.40	+ 1977.89	− 6.85	
		6.7	1850	2 34 13.12	1962.60	9.36	1969.47	6.87	
30	20 Ceti	5.0	1755	− 2 28 46.48	+ 1973.87	− 8.69	+ 1975.21	− 1.34	
		5.2	1850	1 57 35.37	1965.17	9 62	1966.51	1.34	
31	B. A. C. 274	6.5	1755	+ 5 9 22.01	+ 1963.69	−10.07	+ 1964.14	− 0.45	
		6.2	1850	5 40 22.83	1953.67	11.03	1954.13	0.46	
32	70 Piscium	8.0	1755	+ 6 36 49.84	+ 1963.35	−10.52	+ 1960.03	+ 3.32	
		8.0	1850	7 7 50.12	1952.89	11.49	1949.57	3.32	
33	ε Piscium	4.0	1755	+ 6 33 55.02	+ 1960.75	−10.67	+ 1958.43	+ 2.32	+ 0.01
		4.2	1850	7 4 52.76	1950.15	11.63	1947.82	2.33	
			1900	7 21 6.36	1944.21	12.13	1941.88	2.33	
34	26 Ceti	6.5	1755	+ 0 2 52.00	+ 1952.26	−10.82	+ 1956.55	− 4.29	
		5.9	1850	0 33 41.62	1941.54	11.76	1945.85	4.31	
35	73 Piscium	6.5	1755	+ 4 20 12.33	+ 1953.58	−11.04	+ 1954.63	− 1.05	
		5.9	1850	4 51 3.10	1942.64	12.00	1943.69	1.05	
36	72 Piscium	6.0	1755	+13 37 21.87	+ 1958.40	−11.19	+ 1954.66	+ 3.74	
		6.0	1850	14 8 17.15	1947.29	12.20	1943.55	3.74	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
37	77 Piscium	1755	4	0 53 10.035	+ 308.929	+ 0.662	+ 308.930	— 0.001	
		1850	11	0 58 3.823	309.581	0.711	309.584	0.003	
38	75 Piscium	1755	3	0 53 42.140	+ 313.534	+ 1.105	+ 313.392	+ 0.142	
		1850	4	0 58 40.503	314.608	1.158	314.468	0.140	
39	29 Ceti	1755	5	0 55 22.694	+ 308.220	+ 0.515	+ 307.391	+ 0.829	
		1850	19	1 0 15.742	308.732	0.563	307.910	0.822	
40	*e* Piscium	1755	5	0 55 46.266	+ 307.560	+ 0.710	+ 309.449	— 1.889	
		1850	78	1 0 38.776	308.256	0.756	310.147	1.891	
41	*β* Andromedæ	1755	10	0 56 5.522	+ 330.624	+ 2.770	+ 329.112	+ 1.512	
		1850	159	1 1 20.878	333.296	2.856	331.778	1.518	
		1900	. .	1 4 7.885	334.736	2.904	333.214	1.522	
42	33 Ceti	1755	5	0 57 58.143	+ 307.584	+ 0.564	+ 307.660	— 0.076	
		1850	36	1 2 50.611	308.143	0.612	308.217	0.074	
43	35 Ceti	1755	2	0 59 57.839	+ 306.458	+ 0.569	+ 307.701	— 1.243	
		1850	18	1 4 49.239	307.025	0.625	308.269	1.244	
44	*α* Ursæ Minoris	1755	. .	0 43 42.11	+1039.42	+ 483.42	+1031.09	+ 8.33	
		1775	. .	0 47 20.21	1144.48	570.02	1135.66	8.82	
		1800	. .	0 52 25.48	1303.59	709.32	1294.06	9.53	
		1825	. .	0 58 15.32	1503.06	895.82	1492.73	10.33	
		1850	. .	1 5 1.55	1757.17	1150.68	1745.90	11.27	
		1875	. .	1 13 0.16	2086.78	1506.80	2074.40	12.38	
		1900	. .	1 22 33.76	+2523.03	+2016.15	+2509.33	+13.70	
45	*ζ* Piscium	1755	4	1 0 57.437	+ 311.684	+ 0.844	+ 310.861	+ 0.823	
		1850	52	1 5 53.924	312.509	0.892	311.685	0.824	
46	88 Piscium	1755	5	1 1 59.313	+ 310.359	+ 0.815	+ 310.559	— 0.200	
		1850	6	1 6 54.529	311.157	0.865	311.358	0.201	
47	*f* Piscium	1755	5	1 5 10.983	+ 308.044	+ 0.657	+ 308.516	— 0.472	
		1850	39	1 10 3.929	308.690	0.703	309.162	0.472	
48	B. A. C. 410	1850	3	1 15 6.529	+ 312.413	+ 0.931	+ 312.175	+ 0.238	
49	θ^1 Ceti	1755	6	1 11 47.032	+ 299.503	+ 0.115	+ 300.135	— 0.632	— 0.004
		1850	656	1 16 31.621	299.636	0.164*	300.269	0.633	
		1900	. .	1 19 1.461	299.724	0.188	300.359	0.635	
50	*ρ* Piscium	1755	5	1 13 5.870	+ 320.078	+ 1.565	+ 320.535	— 0.457	
		1850	18	1 18 10.658	321.590	1.618	322.048	0.458	
51	94 Piscium	1755	5	1 13 30.517	+ 320.922	+ 1.567	+ 320.668	+ 0.254	
		1850	11	1 18 36.110	322.439	1.628	322.188	0.251	
52	95 Piscium	1755	4	1 14 58.215	+ 309.728	+ 0.784	+ 310.064	— 0.336	
		1850	7	1 19 52.816	310.494	0.828	310.833	0.339	
53	38 Cassiopeæ	1755	5	1 13 24.64	+ 419.11	+13.27	+ 416.67	+ 2.44	
		1800	. .	1 16 34.60	425.18	13.67	422.72	2.46	
		1850	. .	1 20 8.94	432.13	14.13	429.64	2.49	
		1900	. .	1 23 46.79	+ 439.31	+14.60	+ 436.80	+ 2.51	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
37	77 Piscium	7.5	1755	+ 3 35 50.51	+ 1940.64	— 11.20	+ 1952.71	—12.07	
		5.9	1850	4 6 29.92	1929.55	12.16	1941.61	12.06	
38	75 Piscium	6.5	1755	+11 38 10.28	+ 1954.78	— 11.46	+ 1951.63	+ 3.15	
		6.0	1850	12 9 2.00	1943.42	12.46	1940.27	3.15	
39	29 Ceti	7.5	1755	+ 0 42 24.67	+ 1904.23	— 11.63	+ 1948.17	—43.94	
		6.3	1850	1 12 28.30	1892.74	12.57	1936.70	43.96	
40	e Piscium	5.0	1755	+ 4 20 50.11	+ 1929.08	— 11.60	— 1947.32	—18.24	
		5.5	1850	4 51 17.35	1917.61	12.55	1935.83	18.22	
41	β Andromedæ	2.0	1755	+34 18 54.10	+ 1934.49	— 12.56	+ 1946.65	—12.16	— 0.06
		2.2	1850	34 49 26.03	1922.00	13.75	1934.21	12.21	
			1900	35 05 25.28	1914.98	14.37	1927.22	12.24	
42	33 Ceti	6.0	1755	+ 1 8 5.72	+ 1942.09	— 12.09	+ 1942.59	— 0.50	
		6.1	1850	1 38 45.09	1930.18	13.02	1930.71	0.53	
43	35 Ceti	6.5	1755	+ 1 10 16.17	+ 1925.80	— 12.35	+ 1938.16	—12.36	
		6.3	1850	1 40 39.92	1913.49	13.57	1925.95	12.46	
44	α Ursæ Minoris	2.5	1755	+87 59 41.11	+ 1970.59	— 29.82	+ 1970.11	+ 0.48	
			1775	88 6 14.60	1964.11	35.35	1963.68	0.43	
			1800	88 14 24.42	1954.19	44.28	1953.84	0.35	
			1825	88 22 31.47	1941.68	55.95	1941.42	0.27	
		2.0	1850	88 30 34.96	1925.60	71.36	1925.44	0.17	
			1875	88 38 33.86	1904.58	96.72	1904.54	+ 0.04	
			1900	+88 46 26.66	+ 1876.41	—131.46	+ 1876.51	— 0.10	
45	ζ Piscium	4.0	1755	+ 6 16 22.18	+ 1931.13	— 12.85	+ 1935.91	— 4.78	
		4.8	1850	6 46 50.44	1918.46	13.82	1923.30	4.84	
46	88 Piscium	6.7	1755	+ 5 41 33.28	+ 1930.69	— 12.92	+ 1933.51	— 2.82	
		6.2	1850	6 12 1.45	1917.96	13.88	1920.75	2.79	
47	f Piscium	6.0	1755	+ 2 19 2.89	+ 1922.85	— 13.45	+ 1925.83	— 2.98	
		5.2	1850	2 49 23.40	1909.63	14.37	1912.64	3.01	
48	B. A. C. 410	6.0	1850	+ 6 37 23.42	+ 1917.52	— 15.50	+ 1898.88	+18.64	
49	θ^1 Ceti	3.0	1755	— 9 27 17.95	+ 1886.78	— 14.26	+ 1908.85	—22.07	
		3.2	1850	8 57 32.07	1872.83	15.12	1894.87	22.04	
			1900	8 41 57.57	1865.16	15.56	1887.18	22.02	
50	ρ Piscium	5.5	1755	+17 53 18.50	+ 1907.33	— 15.44	+ 1905.26	+ 2.07	
		5.0	1850	18 23 23.34	1892.17	16.48	1890.08	2.09	
51	94 Piscium	6.5	1755	+17 57 43.89	+ 1899.37	— 15.60	+ 1904.08	— 4.71	
		6.3	1850	18 27 41.02	1884.05	16.66	1888.83	4.78	
52	95 Piscium	7.0	1755	+ 4 4 57.01	+ 1885.18	— 15.32	+ 1900.06	—14.88	
		8.0	1850	4 34 40.88	1870.18	16.26	1885.04	14.86	
53	38 Cassiopeæ	6.0	1755	+68 59 31.75	+ 1896.98	— 20.18	+ 1904.40	— 7.42	
			1800	69 13 43.30	1887.67	21.27	1895.14	7.47	
		6.7	1850	69 29 24.42	1876.71	22.53	1884.24	7.53	
			1900	+69 44 59.91	+ 1865.12	— 23.86	+ 1872.71	— 7.59	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
54	96 Piscium	1755	5	1 16 17.432	+ 311.333	+ 0.893	+ 311.607	— 0.274	
		1850	13	1 21 13.608	312.203	0.939	312.479	0.276	
55	μ Piscium	1755	5	1 17 22.463	+ 312.572	+ 0.842	+ 310.775	+ 1.797	
		1850	63	1 22 19.793	313.394	0.888	311.594	1.800	
56	η Piscium	1755	5	1 18 24.745	+ 318.388	+ 1.354	+ 318.248	+ 0.140	
		1850	485	1 23 27.832	319.698	1.403	319.557	0.141	
		1900	. .	1 26 7.857	320.406	1.428	320.263	0.143	
57	B. A. C. 455	1755	1	1 18 53.546	+ 320.407	+ 1.456	+ 319.671	+ 0.736	
		1850	3	1 23 58.597	321.813	1.505	321.079	0.734	
58	100 Piscium	1755	5	1 21 53.046	+ 316.113	+ 1.204	+ 316.340	— 0.227	
		1850	4	1 26 53.902	317.278	1.249	317.507	0.229	
59	101 Piscium	1755	5	1 22 42.705	+ 318.200	+ 1.330	+ 318.253	— 0.053	
		1850	18	1 27 45.601	319.485	1.376	319.535	0.050	
60	π Piscium	1755	5	1 24 8.649	+ 315.766	+ 1.193	+ 316.226	— 0.460	
		1850	44	1 29 9.173	316.920	1.237	317.377	0.457	
61	B. A. C. 490	1755	4	1 24 40.328	+ 317.139	+ 1.189	+ 316.230	+ 0.909	
		1850	6	1 29 42.153	318.292	1.239	317.382	0.910	
62	103 Piscium	1755	5	1 26 5.699	+ 320.347	+ 1.456	+ 320.489	— 0.142	
		1850	7	1 31 10.692	321.752	1.503	321.897	0.145	
63	104 Piscium	1755	4	1 26 9.951	+ 319.026	+ 1.320	+ 318.365	+ 0.661	
		1850	3	1 31 13.628	320.302	1.366	319.642	0.660	
64	105 Piscium	1755	5	1 26 30.367	+ 320.745	+ 1.448	+ 320.347	+ 0.398	
		1850	17	1 31 35.734	322.142	1.495	321.745	0.397	
65	α Eridani	1850	. .	1 32 7.30	+ 223.74	— 1.32	+ 223.46	+ 0.28	
		1875	. .	1 33 3.20	223.42	1.30	223.14	0.28	
		1900	. .	1 33 59.01	223.10	1.27	222.82	0.28	
66	ν Piscium	1755	5	1 28 42.308	+ 310.596	+ 0.852	+ 310.737	— 0.141	
		1850	316	1 33 37.766	311.425	0.894	311.569	0.144	
		1900	. .	1 36 13.591	311.877	0.916	312.021	0.144	
67	o Piscium	1755	5	1 32 29.178	+ 314.765	+ 1.062	+ 314.300	+ 0.465	0.000
		1850	267	1 37 28.690	315.793	1.102	315.325	0.468	
		1900	. .	1 40 6.725	316.349	1.124	315.881	0.468	
68	3 Arietis	1755	5	1 33 20.125	+ 322.507	+ 1.531	+ 322.364	+ 0.143	
		1850	5	1 38 27.204	323.982	1.575	323.841	0.141	
69	4 Arietis	1755	5	1 34 56.282	+ 322.394	+ 1.508	+ 322.155	+ 0.239	
		1850	7	1 40 3.246	323.848	1.552	323.611	0.237	
70	B. A. C. 549	1755	2	1 35 7.254	+ 321.935	+ 1.510	+ 322.244	— 0.309	
		1850	2	1 40 13.780	323.390	1.554	323.707	0.317	
71	54 Ceti	1755	5	1 37 53.975	+ 316.052	+ 1.172	+ 316.589	— 0.537	
		1850	27	1 42 54.759	+ 317.184	1.212	317.723	0.539	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
54	96 Piscium	6.5	1755	+ 6 1 16.62	+ 1889.80	— 15.64	+ 1896.35	— 6.55	
		6.6	1850	6 31 4.72	1874.48	16.60	1880.98	6.50	
55	μ Piscium	5.0	1755	+ 4 52 20.08	+ 1889.61	— 16.00	+ 1893.19	— 3.58	
		5.0	1850	5 22 7.84	1873.95	16.97	1877.61	3.66	
56	η Piscium	4.0	1775	+ 14 4 27.45	+ 1889.43	— 16.40	+ 1890.17	— 0.74	
		3.7	1850	14 34 14.85	1873.37	17.41	1874.11	0.74	
			1900	14 49 49.34	1864.53	17.95	1865.27	0.74	
57	B. A. C. 455	8.0	1755	. . . . .	. . . .	— 16.62	+ 1888.75	. . .	
		7.0	1850	+ 16 11 7	. . . .	17.66	1872.54	. . .	
58	100 Piscium	7.0	1755	+ 11 17 41.73	+ 1879.14	— 16.92	+ 1879.75	— 0.61	
		6.8	1850	11 47 19.13	1862.59	17.92	1863.19	0.60	
59	101 Piscium	6.0	1755	+ 13 23 59.57	+ 1875.76	— 17.22	+ 1877.22	— 1.46	
		6.3	1850	13 53 33.62	1858.92	18.22	1860.38	1.46	
60	π Piscium	6.0	1755	+ 10 52 45.18	+ 1877.56	— 17.36	+ 1872.69	+ 4.87	
		5.7	1850	11 22 20.86	1860.60	18.34	1855.79	4.81	
61	B. A. C. 490	. .	1755	+ 10 49 16.61	+ 1866.76	— 17.56	+ 1871.04	— 4.28	
		7.5	1850	11 18 41.93	1849.52	18.73	1853.94	4.42	
62	103 Piscium	7.5	1755	+ 15 22 21.89	+ 1863.94	— 17.94	+ 1866.54	— 2.60	
		6.8	1850	15 51 44.38	1846.41	18.97	1849.00	2.59	
63	104 Piscium	6.5	1755	+ 13 1 59.31	+ 1862.77	— 17.93	+ 1866.36	— 3.59	
		7.5	1850	13 31 20.70	1845.26	18.94	1848.84	3.58	
64	105 Piscium	6.0	1755	+ 15 9 11.36	+ 1864.14	— 18.07	+ 1865.22	— 1.08	
		6.3	1850	15 38 33.98	1846.49	19.10	1847.58	1.09	
65	α Eridani	1.0	1850	— 58 0 0.14	+ 1841.07	— 13.58	+ 1845.79	— 4.72	
			1875	57 52 20.30	1837.63	13.68	1842.38	4.75	
			1900	57 44 41.33	1834.18	13.78	1838.95	4.77	
66	ν Piscium	5.0	1755	+ 4 14 18.86	+ 1858.20	— 17.93	+ 1858.00	+ 0.20	
		4.5	1850	4 43 35.92	1840.72	18.87	1840.54	0.18	
			1900	4 58 53.79	1830.90	19.36	1830.80	0.10	
67	o Piscium	5.0	1755	+ 7 54 56.13	+ 1847.97	— 18.87	+ 1845.30	+ 2.67	
		4.3	1850	8 24 3.04	1829.58	19.84	1826.94	2.64	
			1900	8 39 15.32	1819.54	20.34	1816.92	2.62	
68	3 Arietis	6.5	1755	+ 16 10 33.28	+ 1840.95	— 19.44	+ 1842.35	— 1.40	
		6.0	1850	16 39 33.26	1821.99	20.48	1823.40	1.41	
69	4 Arietis	6.5	1755	+ 15 43 29.43	+ 1834.64	— 19.73	+ 1836.75	— 2.11	
		5.7	1850	16 12 23.28	1815.40	20.77	1817.53	2.13	
70	B. A. C. 529	8.0	1755	+ 15 47 15.55	+ 1838.60	— 19.71	+ 1836.12	+ 2.48	
		8.2	1850	16 16 13.17	1819.39	20.74	1816.87	2.52	
71	54 Ceti	6.0	1755	+ 9 49 11.68	+ 1822.91	— 19.85	+ 1826.16	— 3.25	
		5.5	1850	10 17 54.34	1803.59	20.83	1806.81	3.22	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
72	γ^1 Arietis	1755	9	1 40 8.085	+ 325.918	+ 1.660	+ 325.477	+ 0.441	
		1850	26	1 45 18.463	327.518	1.709	327.083	0.435	
73	γ^2 Arietis	1755	0	1 40 8.085	+ 325.918	+ 1.660	+ 325.477	+ 0.441	
		1850	35	1 45 18.463	327.518	1.709	327.083	0.435	
74	β Arietis	1755	10	1 41 9.443	+ 327.947	+ 1.744	+ 327.345	+ 0.602	
		1850	408	1 46 21.789	329.636	1.811	329.045	0.591	—0.002
		1900	. .	1 49 6.835	330.548	1.836	329.961	0.587	
75	ι Arietis	1755	5	1 44 0.668	+ 324.693	+ 1.585	+ 324.491	+ 0.202	
		1850	33	1 49 9.848	326.219	1.627	326.019	0.200	
76	50 Cassiopeæ	1755	5	1 43 2.90	+ 476.85	+17.29	+ 477.96	— 1.11	
		1800	. .	1 46 39.24	484.74	17.79	485.86	1.12	
		1850	. .	1 50 43.85	493.78	18.36	494.91	1.13	
		1900	. .	1 54 53.06	503.10	18.93	504.26	1.16	
77	B. A. C. 609	1850	20	1 51 24.494	+ 319.911	+ 1.302	+ 319.960	— 0.049	
78	α Arietis	1755	10	1 53 25.083	+ 334.403	+ 1.982	+ 333.040	+ 1.363	0.000
		1850	. .	1 58 43.665	336.302	2.020	334.944	1.358	
		1900	. .	2 1 32.069	337.317	2.042	335.960	1.357	
79	15 Arietis	1755	5	1 57 5.725	+ 329.236	+ 1.721	+ 328.669	+ 0.567	
		1850	12	2 2 19.281	330.888	1.757	330.323	0.565	
80	64 Ceti	1755	5	1 58 26.896	+ 314.602	+ 1.092	+ 315.603	— 1.001	
		1850	6	2 3 26.267	315.656	1.126	316.652	0.996	
81	η Arietis	1755	5	1 59 8.302	+ 332.269	+ 1.842	+ 331.242	+ 1.027	
		1850	15	2 4 24.793	334.035	1.877	333.006	1.029	
82	19 Arietis	1755	5	1 59 44.054	+ 324.375	+ 1.468	+ 323.786	+ 0.589	
		1850	14	2 4 52.877	325.786	1.502	325.196	0.590	
83	ξ^1 Ceti	1755	5	2 0 2.724	+ 315.875	+ 1.119	+ 316.026	— 0.151	
		1850	164	2 5 3.314	316.952	1.151	317.102	0.150	
		1900	. .	2 7 41.935	317.531	1.165	317.681	0.150	
84	B. A. C. 686	1755	3	2 0 19.168	+ 329.479	+ 1.732	+ 329.363	+ 0.116	
		1850	3	2 5 32.960	331.142	1.768	331.033	0.109	
85	θ Arietis	1755	5	2 4 32.800	+ 330.363	+ 1.754	+ 330.481	— 0.118	
		1850	34	2 9 47.442	332.045	1.787	332.166	0.121	
86	23 Arietis	1755	4	2 5 34.405	+ 330.205	+ 1.734	+ 330.382	— 0.177	
		1850	3	2 10 48.886	331.867	1.765	332.050	0.183	
87	B. A. C. 738	1755	1	2 11 5.864	+ 318.456	+ 1.211	+ 318.659	— 0.203	
		1850	3	2 16 8.948	319.620	1.239	319.822	0.202	
88	ι Cassiopeæ	1755	. .	2 9 15.46	+ 468.96	+12.51	+ 469.74	— 0.78	
		1800	. .	2 12 47.76	474.65	12.73	475.43	0.78	
		1850	. .	2 16 46.68	481.07	12.97	481.86	0.79	
		1900	. .	2 20 48.85	+ 487.61	+13.19	+ 488.41	— 0.80	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
72	γ^1 Arietis	4.5	1755	+ 18 4 54.44	+ 1807.98	— 20.93	+ 1817.97	— 9.99	
		3.7	1850	18 33 22.41	1787.59	21.99	1797.61	10.02	
73	γ^2 Arietis	4.5	1755	+ 18 5 3.02	+ 1807.97	— 20.93	+ 1817.97	— 10.00	
		3.7	1850	18 33 30.98	1787.58	21.99	1797.61	10.03	
74	β Arietis	3.0	1755	+ 19 35 58.67	+ 1802.42	— 21.26	+ 1814.17	— 11.75	— 0.04
		3.0	1850	20 4 21.21	1781.71	22.34	1793.50	11.79	
			1900	20 19 9.25	1770.41	22.90	1782.22	11.81	
75	ι Arietis	6.0	1755	+ 16 36 38.17	+ 1800.12	— 21.55	+ 1803.34	— 3.22	
		5.7	1850	17 4 58.40	1779.15	22.60	1782.38	3.23	
76	50 Cassiopeæ	4.5	1755	+ 71 13 5.95	+ 1809.28	— 30.94	+ 1807.02	+ 2.26	
			1800	71 26 36.93	1795.04	32.43	1792.75	2.29	
		4.0	1850	71 41 30.32	1778.39	34.15	1776.06	2.33	
			1900	71 56 15.17	1760.88	35.96	1758.49	2.39	
77	B. A. C. 609	6.0	1850	+ 11 33 53.54	+ 1766.98	— 22.56	+ 1773.31	— 6.33	
78	α Arietis	3.0	1755	+ 22 17 29.96	+ 1750.71	— 24.04	+ 1765.74	—15.03	— 0.10
		2.0	1850	22 45 2.12	1727.35	25.14	1742.47	15.12	
			1900	22 59 22.63	1714.63	25.72	1729.80	15.17	
79	15 Arietis	6.0	1755	+ 18 19 56.14	+ 1746.48	— 24.30	+ 1750.22	— 3.74	
		5.7	1850	18 47 24.18	1722.90	25.34	1726.67	3.77	
80	64 Ceti	6.5	1755	+ 7 24 37.90	+ 1733.83	— 23.36	+ 1744.36	—10.53	
		5.7	1850	7 51 54.35	1711.20	24.28	1721.69	10.49	
81	η Arietis	6.0	1755	+ 20 2 48.92	+ 1742.69	— 24.90	+ 1741.40	+ 1.29	
		5.3	1850	20 30 13.07	1718.52	25.99	1717.31	1.21	
82	19 Arietis	7.0	1755	+ 14 7 8.77	+ 1736.66	— 24.42	+ 1738.81	— 2.15	
		5.7	1850	14 34 27.44	1713.00	25.42	1715.19	2.19	
83	ξ^1 Ceti	5.0	1755	+ 7 41 7.89	+ 1735.86	— 23.76	+ 1737.43	— 1.57	+ 0.03
		4.3	1850	8 8 26.11	1712.86	24.68	1714.40	1.54	
			1900	8 22 39.42	1700.40	25.16	1701.92	1.52	
84	B. A. C. 686	8.0	1755	+ 18 27 14.83	+ 1736.25	— 24.84	+ 1736.26	— 0.01	
		7.2	1850	18 54 32.90	1712.15	25.90	1712.15	0.00	
85	θ Arietis	6.0	1755	+ 18 45 17.21	+ 1716.55	— 25.65	+ 1717.49	— 0.84	
		5.7	1850	19 12 16.19	1691.68	26.71	1692.52	0.84	
86	23 Arietis	7.5	1755	+ 18 33 9.72	+ 1701.07	— 25.82	+ 1712.73	—11.66	
		7.5	1850	18 59 53.93	1676.05	26.87	1687.70	11.65	
87	B. A. C. 738	8.0	1755	. . . . .	. . . .	— 25.86	+ 1687 05	. . .	
		7.7	1850	+ 9 35 25.6	. . . .	26.80	1662.08	. . .	
88	ι Cassiopeæ	4.5	1755	+ 66 16 51.55	+ 1696.10	— 37.24	+ 1695.71	+ 0.39	
			1800	66 29 31.02	1679.06	38.57	1678.64	0.42	
		4.0	1850	66 43 25.68	1659.39	40.09	1658.93	0.46	
			1900	+ 66 57 10.30	+ 1638.96	— 41.65	+ 1638.48	+ 0.48	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
89	ξ Arietis	1755	5	2 11 43.259	+ 319.150	+ 1.228	+ 319.150	— 0.000	
		1850	22	2 16 47.010	320.328	1.254	320.330	0.002	
90	B. A. C. 755	1755	1	2 13 39.213	+ 319.477	+ 1.230	+ 319.253	+ 0.224	
		1850	10	2 18 43.275	320.658	1.256	320.436	0.222	
91	25 Arietis	1755	5	2 14 23.403	+ 316.922	+ 1.191	+ 318.849	— 1.927	
		1850	14	2 19 25.020	318.066	1.217	320.005	1.939	
92	ξ^2 Ceti	1755	5	2 15 9.875	+ 316.832	+ 1.129	+ 316.590	+ 0.242	
		1850	232	2 20 11.379	317.917	1.155	317.674	0.243	
		1900	. .	2 22 50.483	318.498	1.168	318.255	0.243	
93	26 Arietis	1755	5	2 16 57.060	+ 333.019	+ 1.761	+ 332.548	+ 0.471	
		1850	5	2 22 14.226	334.704	1.788	334.235	0.469	
94	27 Arietis	1755	5	2 17 21.658	+ 329.764	+ 1.622	+ 329.500	+ 0.264	
		1850	42	2 22 35.669	331.317	1.649	331.058	0.259	
95	29 Arietis	1755	5	2 19 31.426	+ 325.817	+ 1.477	+ 325.978	— 0.161	
		1850	9	2 24 41.622	327.232	1.501	327.392	0.160	
96	B. A. C. 782	1755	5	2 19 57.545	+ 332.102	+ 1.704	+ 331.601	+ 0.501	
		1850	7	2 25 13.814	333.732	1.729	333.232	0.500	
97	31 Arietis	1755	5	2 23 18.539	+ 324.624	+ 1.337	+ 322.742	+ 1.882	
		1850	17	2 28 27.538	325.905	1.360	324.024	1.881	
98	ν Arietis	1755	5	2 24 57.378	+ 337.095	+ 1.894	+ 337.172	— 0.077	
		1850	25	2 30 18.476	338.905	1.917	338.984	0.079	
99	μ Arietis	1755	5	2 28 36.095	+ 334.908	+ 1.771	+ 334.735	+ 0.173	
		1850	21	2 33 55.060	336.601	1.793	336.425	0.176	
100	B. A. C. 826	1755	1	2 28 51.425	+ 320.418	+ 1.243	+ 320.510	— 0.092	
		1850	6	2 33 56.385	321.606	1.260	321.698	0.092	
101	85 Ceti	1755	5	2 29 19.681	+ 320.570	+ 1.248	+ 320.837	— 0.267	
		1850	7	2 34 24.785	321.766	1.269	322.035	0.269	
102	γ Ceti	1755	5	2 30 37.916	+ 309.099	+ 0.898	+ 310.122	— 1.023	—0.006
		1850	495	2 35 31.968	309.961	0.916	310.992	1.031	
		1900	. .	2 38 7.064	310.422	0.929	311.459	1.037	
103	36 Arietis	1755	5	2 30 41.235	+ 331.913	+ 1.630	+ 331.540	+ 0.373	
		1850	3	2 35 57.290	333.470	1.649	333.102	0.368	
104	o Arietis	1755	5	2 31 5.377	+ 327.767	+ 1.489	+ 327.819	— 0.052	
		1850	11	2 36 17.430	329.190	1.508	329.243	0.053	
105	38 Arietis	1755	5	2 31 38.836	+ 324.388	+ 1.334	+ 323.568	+ 0.820	
		1850	17	2 36 47.607	325.661	1.346	324.848	0.813	
106	μ Ceti	1755	5	2 31 44.073	+ 321.842	+ 1.225	+ 320.116	+ 1.726	
		1850	52	2 36 50.378	323.013	1.241	321.288	1.725	
107	40 Arietis	1755	5	2 34 50.749	+ 333.208	+ 1.670	+ 332.967	+ 0.241	
		1850	11	2 40 8.051	334.800	1.682	334.552	0.248	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
89	ξ Arietis	6.0	1755	+ 9 29 16.62	+ 1682.27	— 26.08	+ 1684.11	— 1.84	
		5.3	1850	9 55 42.85	1657.06	27.01	1658.91	1.85	
90	B. A. C. 755	6.0	1755	+ 9 26 57.59	+ 1672.83	— 26.40	+ 1674.83	— 2.00	
		7.0	1850	9 53 14.72	1647.30	27.35	1649.22	1.92	
91	25 Arietis	7.5	1755	+ 9 5 52.62	+ 1648.70	— 26.14	+ 1671.27	—22.57	
		7.3	1850	9 31 46.95	1623.43	27.06	1645.83	22.40	
92	ξ² Ceti	5.0	1755	+ 7 20 55.12	+ 1666.02	— 26.44	+ 1667.50	— 1.48	
		4.4	1850	7 47 5.77	1640.43	27.44	1641.97	1.54	
			1900	8 0 42.53	1626.58	27.96	1628.19	1.61	
93	26 Arietis	6.5	1755	+ 18 45 10.77	+ 1655.58	— 28.08	+ 1658.76	— 3.18	
		6.0	1850	19 11 10.74	1628.40	29.15	1631.62	3.22	
94	27 Arietis	6.0	1755	+ 16 36 22.99	+ 1647.16	— 27.87	+ 1656.74	— 9.58	
		6.3	1850	17 2 15.07	1620.20	28.89	1629.80	9.60	
95	29 Arietis	6.5	1755	+ 13 56 9.59	+ 1648.89	— 27.88	+ 1645.98	+ 2.91	
		6.3	1850	14 22 3.31	1621.95	28.85	1619.04	2.91	
96	B. A. C. 782	6.5	1755	+ 17 47 6.66	+ 1644.61	— 28.53	+ 1643.80	+ 0.81	
		7.0	1850	18 12 56.01	1617.01	29.57	1616.23	0.78	
97	31 Arietis	6.0	1755	+ 11 22 14.26	+ 1618.88	— 28.58	+ 1626.81	— 7.93	
		5.7	1850	11 47 39.15	1591.27	29.54	1599.36	8.09	
98	ν Arietis	5.5	1755	+ 20 53 12.36	+ 1617.17	— 29.76	+ 1618.32	— 1.15	
		5.7	1850	21 18 35.08	1588.39	30.82	1589.55	1.16	
99	μ Arietis	6.0	1755	+ 18 57 8.34	+ 1593.87	— 30.26	+ 1599.26	— 5.39	
		6.0	1850	19 22 8.72	1564.63	31.30	1570.09	5.46	
100	B. A. C. 826	7.0	1755	+ 9 29 3.98	+ 1593.97	— 28.95	+ 1597.89	— 3.92	
		7.1	1850	9 54 5.04	1566.01	29.91	1569.95	3.94	
101	85 Ceti	6.0	1755	+ 9 40 58.18	+ 1591.46	— 29.05	+ 1595.41	— 3.95	
		6.0	1850	10 5 56.87	1563.45	29.91	1567.37	3.92	
102	γ Ceti	3.0	1755	+ 2 11 21.55	+ 1572.62	— 28.17	+ 1588.46	—15.84	+ 0.08
		3.2	1850	2 36 2.70	1545.47	28.98	1561.24	15.77	
			1900	2 48 51.80	1530.87	29.40	1546.60	15.73	
103	36 Arietis	7.0	1755	+ 16 42 41.95	+ 1584 41	— 30.31	+ 1588.15	— 3.74	
		6.5	1850	17 7 33.31	1555.14	31.31	1558.92	3.78	
104	o Arietis	6.5	1755	+ 14 15 34.78	+ 1582.89	— 29.96	+ 1586.00	— 3.11	
		6.0	1850	14 40 24.85	1553.96	30.94	1557.07	3.11	
105	38 Arietis	5.5	1755	+ 11 23 58.27	+ 1575.22	— 29.90	+ 1583.04	— 7.82	
		5.0	1850	11 48 41.09	1546.39	30.80	1554.30	7.91	
106	μ Ceti	4.0	1755	+ 9 3 52.84	+ 1579.62	— 29.75	+ 1582.56	— 2.94	
		4.3	1850	9 28 39.98	1551.10	30.32	1554.04	2.94	
107	40 Arietis	6.0	1755	+ 17 14 50.54	+ 1561.96	— 31.14	+ 1565.65	— 3.69	
		6.3	1850	17 39 20.22	1531.97	32.00	1535.66	3.69	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
108	π Arietis	1755	5	2 35 39.856	+ 331.772	+ 1.609	+ 331.774	— 0.002	
		1850	43	2 40 55.768	333.309	1.627	333.313	0.004	
109	σ Arietis	1755	5	2 38 0.401	+ 328.450	+ 1.475	+ 328.301	+ 0.149	
		1850	108	2 43 13.097	329.859	1.491	329.710	0.149	
110	ρ^1 Arietis	1755	5	2 41 13.977	+ 333.211	+ 1.619	+ 332.993	+ 0.218	
		1850	3	2 46 31.260	334.755	1.632	334.544	0.211	
111	ρ^2 Arietis	1755	5	2 42 5.265	+ 333.954	+ 1.650	+ 334.103	— 0.149	
		1850	15	2 47 23.268	335.528	1.665	335.681	0.153	
112	ρ^3 Arietis	1755	5	2 42 39.036	+ 335.604	+ 1.610	+ 333.694	+ 1.910	
		1850	39	2 47 58.591	337.150	1.644	335.249	1.901	
113	47 Arietis	1755	4	2 44 6.923	+ 339.907	+ 1.794	+ 338.383	+ 1.524	
		1850	14	2 49 30.646	341.617	1.806	340.092	1.525	
114	B. A. C. 920	1755	2	2 44 53.42	+ 340.45	+ 1.852	+ 340.165	+ 0.285	
		1850	4	2 50 17.67	342.19	1.867	341.928	0.262	
115	ε Arietis	1755	5	2 45 15.152	+ 339.632	+ 1.834	+ 339.740	— 0.108	
		1850	71	2 50 38.630	341.378	1.843	341.482	0.104	
116	50 Arietis	1755	3	2 46 47.920	+ 334.036	+ 1.624	+ 334.229	— 0.193	
		1850	3	2 52 5.989	335.584	1.635	335.782	0.198	
117	α Ceti	1755	10	2 49 30.009	+ 311.745	+ 0.952	+ 311.901	— 0.156	— 0.004
		1850	. .	2 54 26.599	312.657	0.965	312.815	0.158	
		1900	. .	2 57 3.048	313.141	0.972	313.301	0.160	
118	52 Arietis	1755	5	2 51 8.024	+ 347.853	+ 2.070	+ 347.989	— 0.136	
		1850	3	2 56 39.419	349.822	2.076	349.960	0.138	
119	Lal. 5725	1850	. .	2 58 9.9	. . . .	+ 1.372	+ 328.155	. . .	
120	53 Arietis	1755	5	2 53 40.810	+ 334.643	+ 1.650	+ 334.961	— 0.318	
		1850	21	2 58 59.461	336.193	1.613	336.490	0.297	
121	54 Arietis	1755	5	2 54 30.821	+ 336.713	+ 1.655	+ 336.695	+ 0.018	
		1850	5	2 59 51.447	338.289	1.662	338.271	0.018	
122	48 Cephei	1755	. .	2 50 14.26	+ 694.24	+33.57	+ 692.59	+ 1.65	
		1775	. .	2 52 33.79	700.99	33.88	699.34	1.65	
		1800	. .	2 55 30.10	709.51	34.25	707.86	1.65	
		1825	. .	2 58 28.55	718.12	34.60	716.48	1.64	
		1850	. .	3 1 29.16	726.81	34.94	725.17	1.64	
		1875	. .	3 4 31.97	735.59	35.25	733.95	1.64	
		1900	. .	3 7 36.97	+ 744.43	+35.55	+ 742.80	+ 1.63	
123	δ Arietis	1755	5	2 57 40.006	+ 339.816	+ 1.710	+ 338.832	+ 0.984	
		1850	233	3 3 3.603	341.442	1.714	340.455	0.987	
		1900	. .	3 5 54.538	342.299	1.715	341.309	0.990	
124	ζ Arietis	1755	5	3 0 51.999	+ 341.559	+ 1.766	+ 341.775	— 0.216	— 0.003
		1850	114	3 6 17.278	343.238	1.764	343.454	0.216	
		1900	. .	3 9 9.117	344.120	1.764	344.339	— 0.219	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
108	π Arietis	5.0	1755	+ 16 25 45.62	+ 1560.34	− 31.07	+ 1561.16	− 0.82	
		5.7	1850	16 50 13.77	1530.35	32.06	1531.17	0.82	
109	σ Arietis	6.0	1755	+ 14 3 26.06	+ 1544.22	− 31.19	+ 1548.19	− 3.97	
		5.7	1850	14 27 38.85	1514.14	32.13	1518.16	4.02	
110	ρ^1 Arietis	7.5	1755	+ 16 43 20.87	+ 1527.05	− 32.12	+ 1530.07	− 3.02	
		7.0	1850	17 7 16.92	1496.07	33.11	1499.10	3.03	
111	ρ^2 Arietis	6.0	1755	+ 17 19 20.80	+ 1523.75	− 32.30	+ 1525.22	− 1.47	
		6.0	1850	17 43 13.63	1492.60	33.28	1494.06	1.46	
112	ρ^3 Arietis	6.0	1755	+ 17 1 44.83	+ 1502.80	− 32.81	+ 1522.00	−19.20	
		6.0	1850	17 25 17.54	1471.15	33.81	1490.62	19.47	
113	47 Arietis	6.0	1755	+ 19 40 8.78	+ 1510.95	− 33.42	+ 1513.62	− 2.67	
		6.0	1850	20 3 48.95	1478.74	34.40	1481.61	2.87	
114	B. A. C. 920	7.0	1753	- - - - - -	- - - -	- - -	+ 1509.21	- - -	
		7.0	1850	+ 21 0 53.9	- - - -	- - -	1476.96	- - -	
115	ε Arietis	5.0	1755	+ 20 20 36.47	+ 1507.06	− 33.45	+ 1507.07	− 0.01	
		4.3	1850	20 44 12.95	1474.80	34.47	1474.91	0.11	
116	50 Arietis	7.5	1755	+ 17 0 54.89	+ 1495.91	− 33.04	+ 1498.10	− 2.19	
		6.8	1850	17 24 20.94	1464.05	34.02	1466.17	2.12	
117	α Ceti	2.5	1755	+ 3 6 47.30	+ 1473.65	− 31.28	+ 1482.25	− 8.60	+ 0.01
		2.4	1850	3 29 53.00	1443.56	32.06	1452.15	8.59	
			1900	3 41 50.76	1427.44	32.46	1436.03	8.59	
118	52 Arietis	6.5	1755	+ 24 17 2.66	+ 1470.29	− 35.09	+ 1472.59	− 2.30	
		5.7	1850	24 40 3.44	1436.45	36.16	1438.73	2.28	
119	Lal. 5725	6.0	1850	+ 12 36 28.8	- - - -	− 34.19	+ 1429.51	- - -	
120	53 Arietis	6.0	1755	+ 16 55 1.43	+ 1458.00	− 34.17	+ 1457.40	+ 0.60	
		6.3	1850	17 17 50.97	1425.08	35.12	1424.43	0.65	
121	54 Arietis	6.5	1755	+ 17 50 14.33	+ 1450.74	− 34.52	+ 1452.33	− 1.59	
		6.3	1850	18 12 56.82	1417.52	35.41	1419.08	1.56	
122	48 Cephei	6.0	1755	+ 76 47 43.66	+ 1472.88	− 69.34	+ 1477.88	− 5.00	
			1775	76 52 36.85	1458.93	70.75	1463.96	5.03	
			1800	76 58 39.34	1441.00	72.57	1446.07	5.07	
			1825	77 4 37.31	1422.63	74.37	1427.74	5.11	
		6.3	1850	77 10 30.63	1403.81	76.27	1408.96	5.15	
			1875	77 16 19.19	1384.50	78.19	1389.69	5.19	
			1900	+ 77 22 2.86	+ 1364.74	− 80.08	+ 1370.00	− 5.24	
123	δ Arietis	4.0	1755	+ 18 46 54.86	+ 1433.19	− 35.51	+ 1433.13	+ 0.06	
		4.0	1850	19 9 20.22	1398.99	36.50	1399.13	− 0.14	
			1900	19 20 55.13	1380.61	37.00	1380.87	0.26	
124	ζ Arietis	5.0	1755	+ 20 7 7.11	+ 1404.93	− 35.96	+ 1413.37	− 8.44	+ 0.02
		4.7	1850	20 29 5.43	1370.33	36.91	1378.76	8.43	
			1900	20 40 25.97	1351.75	37.41	1360.16	8.41	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
125	60 Arietis	1755	5	3 5 57.568	+ 351.809	+ 2.033	+ 351.743	+ 0.066	
		1850	6	3 11 32.702	353.738	2.028	353.673	0.065	
126	τ^1 Arietis	1755	1	3 7 7.646	+ 343.235	+ 1.751	+ 342.954	+ 0.281	
		1850	45	3 12 34.508	344.896	1.746	344.614	0.282	
127	α Persei	1755	8	3 6 57.864	+ 419.245	+ 4.857	+ 418.930	+ 0.315	—0.005
		1850	295	3 13 38.335	423.848	4.833	423.537	0.311	
		1900	. .	3 17 10.862	426.261	4.819	425.952	0.309	
128	τ^2 Arietis	1755	5	3 8 42.069	+ 342.050	+ 1.722	+ 342.408	— 0.358	
		1850	9	3 14 7.793	343.686	1.722	344.044	0.358	
129	64 Arietis	1755	5	3 9 53.618	+ 350.586	+ 1.957	+ 350.552	+ 0.034	
		1850	24	3 15 27.556	352.443	1.952	352.411	0.032	
130	65 Arietis	1755	5	3 10 21.271	+ 342.759	+ 1.721	+ 342.778	— 0.019	
		1850	13	3 15 47.667	344.390	1.714	344.411	0.021	
131	B. A. C. 1055	1755	1	3 10 22.605	+ 345.693	+ 1.797	+ 345.208	+ 0.485	
		1850	6	3 15 51.823	347.398	1.792	346.921	0.477	
132	66 Arietis	1755	5	3 14 10.132	+ 347.370	+ 1.810	+ 347.379	— 0.009	
		1850	8	3 19 40.949	349.085	1.801	349.101	0.016	
133	s Tauri	1755	5	3 17 3.022	+ 325.606	+ 1.227	+ 325.740	— 0.134	
		1850	11	3 22 12.902	326.771	1.226	326.906	0.135	
134	f Tauri	1755	5	3 17 22.971	+ 328.748	+ 1.300	+ 328.712	+ 0.036	
		1850	113	3 22 35.868	329.983	1.300	329.946	0.036	
135	7 Tauri	1755	5	3 19 58.979	+ 351.871	+ 1.891	+ 351.811	+ 0.060	
		1850	13	3 25 34.108	353.661	1.878	353.603	0.058	
136	ε Eridani	1755	5	3 21 24.167	+ 281.627	+ 0.540	+ 288.275	— 6.648	
		1850	115	3 25 51.958	282.145	0.550	288.790	6.645	
		1900	. .	3 28 13.099	282.421	0.555	289.065	6.644	
137	9 Tauri	1755	5	3 22 36.464	+ 349.501	+ 1.767	+ 349.594	— 0.093	
		1850	36	3 28 9.290	351.190	1.788	351.298	0.108	
138	B. A. C. 1119	1850	10	3 30 57.153	+ 338.108	+ 1.423	+ 337.781	+ 0.327	
139	11 Tauri	1755	5	3 26 11.362	+ 354.811	+ 1.911	+ 354.771	+ 0.040	
		1850	61	3 31 49.291	356.617	1.892	356.581	0.036	
140	δ Persei	1755	5	3 25 35.668	+ 419.380	+ 4.217	+ 419.019	+ 0.361	—0.006
		1850	128	3 32 15.974	423.361	4.165	423.012	0.349	
		1900	. .	3 35 48.174	425.435	4.132	425.089	0.346	
141	13 Tauri	1755	5	3 28 13.677	+ 343.105	+ 1.578	+ 343.105	0.000	
		1850	13	3 33 40.338	344.603	1.569	344.603	0.000	
142	14 Tauri	1755	5	3 29 39.727	+ 344.039	+ 1.570	+ 343.226	+ 0.813	
		1850	5	3 35 7.270	345.524	1.556	344.714	0.810	
143	B. A. C. 1143	1850	7	3 35 45.078	+ 347.297	+ 1.618	+ 347.480	— 0.183	
144	g Pleiadum	1755	4	3 30 17.299	+ 353.268	+ 1.822	+ 353.181	+ 0.087	
		1850	19	3 35 53.722	354.988	1.801	354.900	0.088	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
125	60 Arietis	7 5	1755	+ 24 45 40.07	+ 1371.63	— 37.82	+ 1381.41	— 9.78	
		6.3	1850	25 7 5.89	1335.20	38.86	1345.11	9.91	
126	τ^1 Arietis	6.0	1755	+ 20 14 45.16	+ 1369.61	— 37.13	+ 1373.97	— 4.36	
		5.0	1850	20 36 9.39	1333.88	38.10	1338.29	4.41	
127	α Persei	2.5	1755	+ 48 57 58.91	+ 1371.69	— 45.15	+ 1375.01	— 3.32	— 0.02
		2.0	1850	49 19 20.89	1328.01	46.81	1331.34	3.33	
			1900	49 30 19.01	1304.39	47.69	1307.73	3.34	
128	τ^2 Arietis	7.0	1755	+ 19 50 48.35	+ 1362.20	— 37.20	+ 1363.91	— 1.71	
		5.3	1850.	20 12 5.48	1326.38	38.20	1328.12	1.74	
129	64 Arietis	5.5	1755	+ 23 50 13.65	+ 1350.68	— 38.28	+ 1356.32	— 5.64	
		5.7	1850	24 11 19.37	1313.83	39.29	1319.40	5.57	
130	65 Arietis	6.0	1755	+ 19 54 53.88	+ 1352.59	— 37.52	+ 1353.22	— 0.63	
		6.0	1850	20 16 1.76	1316.53	38.41	1317.17	0.64	
131	B. A. C. 1055	7.5	1755	- - - - -	- - - -	— 37.87	+ 1353.10	- - -	
		6.8	1850	+ 21 30 23.0	- - - -	38.85	1316.69	- - -	
132	66 Arietis	6.5	1755	+ 21 56 26.35	+ 1316.03	— 38.55	+ 1328.40	—12.37	
		6.0	1850	22 16 59.04	1278.95	39.52	1291.33	12.38	
133	ι Tauri	6.0	1755	+ 10 28 39.78	+ 1306.99	— 36.54	+ 1309.40	— 2.41	
		5.0	1850	10 49 4.81	1271.90	37.34	1274.28	2.38	
134	f Tauri	5.5	1755	+ 12 4 42.32	+ 1307.58	— 37.07	+ 1307.21	+ 0.37	
		4.0	1850	12 25 7.65	1271.97	37.90	1271.69	0.28	
135	7 Tauri	6.0	1755	+ 23 37 22.24	+ 1285.57	— 39.88	+ 1289.84	— 4.27	
		6.0	1850	23 57 25.38	1247.22	40.86	1251.49	4.27	
136	ε Eridani	4.0	1755	— 10 18 13.12	+ 1282.31	— 31.56	+ 1280.30	+ 2.01	
		3.6	1850	9 58 9.25	1252.07	32.10	1249.43	2.64	
			1900	9 47 47.24	1235.95	32.36	1233.02	2.93	
137	9 Tauri	6.0	1755	+ 22 21 53.65	+ 1266.79	— 39.94	+ 1272.15	— 5.36	
		7.0	1850	22 42 38.93	1228.37	40.94	1233.72	5.35	
138	B. A. C. 1119	6.0	1850	+ 16 2 41.21	+ 1209.52	— 39.82	+ 1214.34	— 4.82	
139	11 Tauri	6.0	1755	+ 24 30 59.33	+ 1245.66	— 41.08	+ 1247.75	— 2.09	
		6.7	1850	24 50 24.02	1206.18	42.05	1208.28	2.10	
140	δ Persei	3.5	1755	+ 46 58 46.37	+ 1248.43	— 48.34	+ 1252.81	— 4.38	
		3.3	1850	47 18 9.86	1200.79	49.85	1205.17	4.38	
			1900	47 28 3.99	1175.67	50.63	1180.05	4.38	
141	13 Tauri	6.5	1755	+ 18 53 44.74	+ 1231.43	— 40.03	+ 1233.70	— 2.27	
		5.7	1850	19 12 56.38	1192.95	40.97	1195.31	2.36	
142	14 Tauri	7.0	1755	+ 18 52 11.26	+ 1219.68	— 40.39	+ 1223.77	— 4.09	
		6.3	1850	19 11 11.60	1180.89	41.27	1185.10	4.21	
143	B. A. C. 1143	6.0	1850	+ 20 27 2.63	+ 1180.53	— 41.44	+ 1180.67	— 0.14	
144	g Pleiadnm	5.5	1755	+ 23 29 53.71	+ 1213.71	— 41.58	+ 1219.47	— 5.76	
		6.3	1850	23 48 47.83	1173.76	42.52	1179.63	5.87	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
145	17 Tauri	1755	5	3 30 22.533	+ 352.896	+ 1.808	+ 352.805	+ 0.091	
		1850	68	3 35 58.598	354.606	1.791	354.518	0.088	
146	18 Tauri	1755	1	3 30 35.668	+ 354.545	+ 1.845	+ 354.454	+ 0.091	
		1850	15	3 36 13.315	356.286	1.820	356.198	0.088	
147	19 Tauri	1755	5	3 30 40.402	+ 353.721	+ 1.833	+ 353.635	+ 0.086	
		1850	22	3 36 17.261	355.452	1.811	355.364	0.088	
148	20 Tauri	1755	5	3 31 17.817	+ 353.608	+ 1.820	+ 353.520	+ 0.088	
		1850	20	3 36 54.563	355.327	1.798	355.239	0.088	
149	21 Tauri	1755	3	3 31 21.659	+ 354.039	+ 1.826	+ 353.943	+ 0.096	
		1850	13	3 36 58.817	355.763	1.805	355.675	0.088	
150	22 Tauri	1755	2	3 31 30.251	+ 354.003	+ 1.824	+ 353.909	+ 0.094	
		1850	9	3 37 7.372	355.725	1.803	355.637	0.088	
151	23 Tauri	1755	5	3 31 49.954	+ 352.764	+ 1.795	+ 352.676	+ 0.088	
		1850	13	3 37 25.887	354.459	1.773	354.371	0.088	
152	24 Tauri	1755	3	3 32 50.142	+ 353.306	+ 1.791	+ 353.213	+ 0.093	
		1850	33	3 38 26.586	354.996	1.769	354.908	0.088	
153	η Tauri	1755	10	3 32 58.132	+ 353.299	+ 1.795	+ 353.210	+ 0.089	—0.004
		1850	643	3 38 34.572	354.992	1.769	354.904	0.088	
		1900	- -	3 41 32.288	355.873	1.756	355.788	0.085	
154	B. A. C. 1170	1755	2	3 33 53.511	+ 351.848	+ 1.745	+ 351.845	+ 0.003	
		1850	3	3 39 28.550	353.495	1.724	353.495	0.000	
155	B. A. C. 1171	1755	1	3 33 57.516	+ 353.918	+ 1.794	+ 353.907	+ 0.011	
		1850	10	3 39 34.545	355.612	1.773	355.608	0.004	
156	26 Tauri	1755	3	3 34 26.656	+ 352.989	+ 1.765	+ 352.894	+ 0.095	
		1850	9	3 40 2.789	354.655	1.744	354.567	0.088	
157	27 Tauri	1755	5	3 34 38.477	+ 353.453	+ 1.780	+ 353.365	+ 0.088	
		1850	134	3 40 15.057	355.132	1.754	355.044	0.088	
158	28 Tauri	1755	5	3 34 39.460	+ 353.645	+ 1.782	+ 353.554	+ 0.091	
		1850	40	3 40 16.223	355.326	1.757	355.238	0.088	
159	B. A. C. 1189	1850	- -	3 41 6.4	- - - -	+ 1.650	+ 351.097	- - -	
160	B. A. C. 1192	1850	10	3 41 18.419	+ 358.527	+ 1.819	+ 358.737	— 0.210	
161	Lal. 7110	1850	- -	3 42 55.4	- - - -	+ 1.220	+ 331.858	- - -	
162	B. A. C. 1206	1850	7	3 44 35.797	+ 342.053	+ 1.395	+ 340.865	+ 1.188	
163	ζ Persei	1755	5	3 38 47.435	+ 373.017	+ 2.264	+ 372.942	+ 0.075	—0.002
		1850	92	3 44 42.817	375.149	2.224	375.072	0.077	
		1900	- -	3 47 50.668	376.255	2.202	376.181	0.074	
164	32 Tauri	1850	14	3 48 0.759	+ 352.880	+ 1.604	+ 352.582	+ 0.298	
165	33 Tauri	1755	1	3 42 34.470	+ 353.051	+ 1.683	+ 352.610	+ 0.441	
		1850	19	3 48 10.625	354.638	1.657	354.195	0.443	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
145	17 Tauri	4.5	1755	+ 23 19 21.06	+ 1213.03	— 41.49	+ 1218.86	— 5.83	
		4.3	1850	23 38 14.57	1173.16	42.44	1179.03	5.87	
146	18 Tauri	7.0	1755	+ 24 2 58.78	+ 1211.46	— 41.65	+ 1217.31	— 5.85	
		6.3	1850	24 21 50.73	1171.44	42.60	1177.31	5.87	
147	19 Tauri	5.0	1755	+ 23 40 40.61	+ 1210.97	— 41.63	+ 1216.78	— 5.81	
		5.0	1850	23 59 32.10	1170.97	42.58	1176.84	5.87	
148	20 Tauri	5.0	1755	+ 23 34 53.39	+ 1206.63	— 41.70	+ 1212.41	— 5.78	
		5.0	1850	23 53 40.73	1166.56	42.65	1172.43	5.87	
149	21 Tauri	7.5	1755	+ 23 46 7.23	+ 1206.07	— 41.69	+ 1211.98	— 5.91	
		7.0	1850	24 4 54.04	1166.02	42.63	1171.89	5.87	
150	22 Tauri	7.5	1755	+ 23 44 32.81	+ 1205.12	— 41.71	+ 1210.98	— 5.86	
		7.0	1850	24 3 18.72	1165.05	42.65	1170.92	5.87	
151	23 Tauri	5.0	1755	+ 23 9 52.52	+ 1202.94	— 41.72	+ 1208.72	— 5.78	
		4.7	1850	23 28 36.35	1162.86	42.66	1168.73	5.87	
152	24 Tauri	7.5	1755	+ 23 20 14.82	+ 1195.82	— 41.80	+ 1201.63	— 5.81	
		8.0	1850	23 38 51.85	1155.67	42.73	1161.54	5.87	
153	η Tauri	3.0	1755	+ 23 19 37.09	+ 1194.90	— 41.85	+ 1200.76	— 5.86	— 0.01
		3.0	1850	23 38 13.22	1154.71	42.75	1160.58	5.87	
			1900	23 47 45.21	1133.22	43.21	1139.10	5.88	
154	B. A. C. 1170	7.0	1755	+ 22 38 49.93	+ 1189.49	— 41.76	+ 1194.24	— 4.75	
		6.3	1850	22 57 20.97	1149.39	42.67	1154.16	4.77	
155	B. A. C. 1171	7.5	1755	+ 23 34 21.75	+ 1186.77	— 42.01	+ 1193.79	— 7.02	
		7.8	1850	23 52 50.08	1146.42	42.94	1153.43	7.01	
156	26 Tauri	7.5	1755	+ 23 5 8.98	+ 1184.51	— 41.97	+ 1190.38	— 5.87	
		7.0	1850	23 23 35.18	1144.20	42.89	1150.07	5.87	
157	27 Tauri	5.0	1755	+ 23 17 0.62	+ 1183.16	— 42.11	+ 1188.97	— 5.81	
		4.0	1850	23 35 25.48	1142.73	43.02	1148.60	5.87	
158	28 Tauri	5.5	1755	+ 23 22 1.01	+ 1183.04	— 42.15	+ 1188.86	— 5.82	
		6.2	1850	23 40 25.73	1142.56	43.08	1148.43	5.87	
159	B. A. C. 1189	6.0	1850	+ 21 47 2.2	. . . .	— 42.66	+ 1142.45	. . .	
160	B. A. C. 1192	6.0	1850	+ 25 7 19.70	+ 1125.70	— 43.48	+ 1140.98	—15.28	
161	Lal. 7110	6.0	1850	+ 12 35 28.4	. . . .	— 40.49	+ 1129.34	. . .	
162	B. A. C. 1206	6.0	1850	+ 16 52 34.51	+ 1116.18	— 42.06	+ 1117.23	— 1.05	
163	ζ Persei	3.5	1755	+ 31 8 2.55	+ 1156.40	— 44.94	+ 1159.52	— 3.12	— 0.01
		3.0	1850	31 26 0.69	1113.23	45.95	1116.36	3.13	
			1900	31 35 11.54	1090.13	46.47	1093.26	3.13	
164	32 Tauri	6.0	1850	+ 22 2 28.99	+ 1081.13	— 43.67	+ 1092.26	—11.13	
165	33 Tauri	5.5	1755	+ 22 26 32.93	+ 1130.48	— 43.12	+ 1132.32	— 1.84	
		6.3	1850	22 44 7.30	1089.10	44.02	1091.06	1.96	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
166	γ^1 Eridani	1755	5	3 46 36.483	+ 279.238	+ 0.459	+ 278.674	+ 0.564	—0.005
		1850	397	3 51 1.965	279.672	0.454	279.109	0.563	
		1900	. .	3 53 21.858	279.900	0.456	279.341	0.559	
167	B. A. C. 1238 . .	1755	5	3 46 26.485	+ 353.210	+ 1.649	+ 353.233	— 0.023	
		1850	3	3 52 2.774	354.762	1.620	354.790	0.028	
168	B. A. C. 1240 . .	1850	11	3 52 10.676	+ 344.498	+ 1.383	+ 343.528	+ 0.970	
169	λ Tauri	1755	5	3 47 8.259	+ 330.268	+ 1.167	+ 330.330	— 0.062	
		1850	57	3 52 22.537	331.369	1.151	331.433	0.064	
170	B. A. C. 1242 . .	1755	5	3 46 53.127	+ 346.627	+ 1.492	+ 346.576	+ 0.051	
		1850	15	3 52 23.092	348.032	1.466	347.986	0.046	
171	36 Tauri	1755	2	3 49 45.103	+ 355.807	+ 1.672	+ 355.805	+ 0.002	
		1850	11	3 55 23.869	357.381	1.642	357.382	— 0.001	
172	A^1 Tauri	1755	5	3 50 15.040	+ 351.913	+ 1.566	+ 351.219	+ 0.694	
		1850	86	3 55 50.059	353.386	1.534	352.691	0.695	
173	A^2 Tauri	1755	4	3 50 52.400	+ 352.409	+ 1.549	+ 351.147	+ 1.262	
		1850	19	3 56 27.882	353.865	1.518	352.608	1.257	
174	41 Tauri	1755	2	3 51 37.531	+ 364.728	+ 1.849	+ 364.531	+ 0.197	
		1850	5	3 57 24.851	366.466	1.810	366.276	0.190	
175	ψ Tauri	1755	5	3 51 54.527	+ 367.535	+ 1.938	+ 368.102	— 0.567	
		1850	15	3 57 44.553	369.355	1.895	369.927	0.572	
176	B. A. C. 1272 . .	1755	. .	3 53 42.400	+ 341.311	+ 1.325	+ 341.134	+ 0.177	
		1850	13	3 59 24.336	342.560	1.305	342.382	0.178	
177	ω^1 Tauri	1755	5	3 54 55.849	+ 346.913	+ 1.415	+ 346.231	+ 0.682	
		1850	87	4 0 26.050	348.244	1.387	347.564	0.680	
178	p Tauri	1755	5	3 55 57.369	+ 362.201	+ 1.745	+ 362.464	— 0.263	
		1850	9	4 1 42.241	363.839	1.704	364.110	0.271	
179	48 Tauri	1755	5	4 1 53.483	+ 338.562	+ 1.199	+ 337.676	+ 0.886	
		1850	18	4 7 15.654	339.687	1.169	338.802	0.885	
180	ω^2 Tauri	1755	5	4 2 56.479	+ 349.012	+ 1.397	+ 349.361	— 0.349	
		1850	36	4 8 28.664	350.322	1.361	350.672	0.350	
181	51 Tauri	1755	5	4 3 55.488	+ 352.464	+ 1.445	+ 351.800	+ 0.664	
		1850	10	4 9 30.975	353.818	1.406	353.147	0.671	
182	53 Tauri	1755	4	4 5 1.793	+ 351.121	+ 1.409	+ 350.909	+ 0.212	
		1850	9	4 10 35.990	352.446	1.375	352.231	0.215	
183	56 Tauri	1755	4	4 5 8.688	+ 352.559	+ 1.440	+ 352.405	+ 0.154	
		1850	12	4 10 44.263	353.909	1.402	353.749	0.160	
184	ϕ Tauri	1755	5	4 5 19.714	+ 366.025	+ 1.700	+ 366.130	— 0.105	
		1850	10	4 11 8.197	367.616	1.650	367.731	0.115	
185	γ Tauri	1755	6	4 5 52.836	+ 339.341	+ 1.178	+ 338.520	+ 0.821	+0.001
		1850	216	4 11 15.738	340.449	1.154	339.628	0.821	
		1900	. .	4 14 6.105	341.023	1.141	340.202	0.821	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
166	γ^1 Eridani	2.5	1755	− 14 13 20.73	+ 1091.40	− 34.52	+ 1102.98	−11.58	− 0.02
		2.8	1850	13 56 19.54	1058.41	34.96	1070.00	11.59	
			1900	13 47 34.72	1040.87	35.18	1052.47	11.60	
167	B. A. C. 1238	7.5	1755	+ 22 29 20.26	+ 1101.73	− 43.49	+ 1104.21	− 2.48	
		6.3	1850	22 46 27.15	1060.01	44.35	1062.49	2.48	
168	B. A. C. 1240	6.0	1850	+ 17 45 59.63	+ 1057.84	− 43.22	+ 1061.54	− 3.70	
169	λ Tauri	4.0	1755	+ 11 46 40.48	+ 1097.05	− 40.77	+ 1099.12	− 2.07	
		3.7	1850	12 3 44.16	1057.97	41.48	1060.04	2.07	
170	B. A. C. 1242	- -	1755	+ 19 29 27.42	+ 1095.05	− 42.74	+ 1100.96	− 5.91	
		6.3	1850	19 46 28.30	1054.06	43.56	1059.98	5.92	
171	36 Tauri	6.5	1755	+ 23 24 34.46	+ 1077.55	− 44.21	+ 1079.90	− 2.35	
		6.0	1850	23 41 18.05	1035.15	45.06	1037.52	2.37	
172	A^1 Tauri	5.0	1755	+ 21 23 28.06	+ 1068.24	− 43.87	+ 1076.19	− 7.95	
		4.7	1850	21 40 2.99	1026.19	44.70	1034.23	8.04	
173	A^2 Tauri	6.5	1755	+ 21 19 32.67	+ 1058.97	− 44.08	+ 1071.62	−12.65	
		6.3	1850	21 35 58.67	1016.70	44.92	1029.55	12.85	
174	41 Tauri	6.0	1755	+ 26 55 1.50	+ 1059.05	− 45.56	+ 1066.04	− 6.99	
		5.3	1850	27 11 26.87	1015.25	46.66	1022.34	7.09	
175	ψ Tauri	5.5	1755	+ 28 18 57.50	+ 1063.91	− 45.84	+ 1063.94	− 0.03	
		5.7	1850	28 35 27.38	1019.92	46.76	1019.85	+ 0.07	
176	B. A. C. 1272	- -	1755	+ 16 39 49.81	+ 1046.34	− 43.00	+ 1048.48	− 2.14	
		6.0	1850	16 56 4.32	1005.12	43.78	1007.30	2.18	
177	ω^1 Tauri	6.0	1755	+ 18 56 23.51	+ 1037.56	− 43.79	+ 1041.42	− 3.86	
		6.0	1850	19 12 29.31	995.59	44.56	999.53	3.94	
178	p Tauri	6.5	1755	+ 25 49 8.58	+ 1028.85	− 45.70	+ 1033.73	− 4.88	
		6.0	1850	26 5 5.22	985.03	46.55	989.85	4.82	
179	48 Tauri	6.0	1755	+ 14 45 58.92	+ 985.40	− 43.54	+ 988.85	− 3.45	
		6.0	1850	15 1 15.31	943.74	44.16	947.30	3.56	
180	ω^2 Tauri	5.6	1755	+ 19 57 9.84	+ 976.15	− 44.91	+ 980.87	− 4.72	
		5.7	1850	20 12 16.81	933.15	45.60	937.90	4.75	
181	51 Tauri	7.0	1755	+ 20 57 27.84	+ 969.81	− 45.60	+ 973.35	− 3.54	
		6.0	1850	21 12 28.46	926.15	46.32	929.85	3.70	
182	53 Tauri	6.5	1755	+ 20 31 37.91	+ 959.62	− 45.40	+ 964.82	− 5.20	
		6.0	1850	20 46 28.97	916.15	46.10	921.44	5.29	
183	56 Tauri	6.5	1755	+ 21 9 32.48	+ 958.88	− 45.63	+ 963.94	− 5.06	
		6.0	1850	21 24 22.70	915.15	46.43	920.36	5.21	
184	φ Tauri	6.0	1755	+ 26 44 28.09	+ 954.18	− 47.25	+ 962.57	− 8.39	
		5.3	1850	26 59 13.11	908.90	48.07	917.27	8.37	
185	γ Tauri	3.5	1755	+ 15 0 51.27	+ 955.73	− 44.06	+ 958.35	− 2.62	− 0.11
		4.0	1850	15 15 39.23	913.58	44.69	916.30	2.72	
			1900	15 23 10.42	891.14	45.03	893.92	2.78	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
186	55 Tauri	1755	2	4 5 55.215	+ 341.237	+ 1.212	+ 340.499	+ 0.738	
		1850	5	4 11 19.933	342.376	1.186	341.641	0.735	
187	*h* Tauri	1755	5	4 6 11.702	+ 335.757	+ 1.122	+ 335.063	+ 0.694	
		1850	8	4 11 31.172	336.811	1.096	336.120	0.691	
188	58 Tauri	1755	3	4 6 44.396	+ 338.230	+ 1.156	+ 337.423	+ 0.807	
		1850	12	4 12 6.231	339.314	1.126	338.507	0.807	
189	B. A. C. 1335	1755	3	4 7 7.507	+ 335.478	+ 1.111	+ 334.766	+ 0.712	
		1850	6	4 12 26.710	336.521	1.085	335.811	0.710	
190	χ Tauri	1755	5	4 7 42.650	+ 362.424	+ 1.591	+ 362.105	+ 0.319	
		1850	18	4 13 27.664	363.915	1.547	363.598	0.317	
191	60 Tauri	1755	5	4 8 16.978	+ 336.001	+ 1.110	+ 335.318	+ 0.683	
		1850	3	4 13 36.675	337.042	1.083	336.363	0.679	
192	δ^1 Tauri	1755	5	4 8 50.204	+ 343.826	+ 1.237	+ 343.051	+ 0.775	
		1850	59	4 14 17.390	344.984	1.202	344.209	0.775	
193	P. A. C. 1347	1755	2	4 8 44.427	+ 359.729	+ 1.530	+ 359.201	+ 0.528	
		1850	11	4 14 26.853	361.162	1.486	360.633	0.529	
194	63 Tauri	1755	5	4 9 23.511	+ 342.043	+ 1.206	+ 341.383	+ 0.660	
		1850	18	4 14 48.991	343.174	1.176	342.509	0.665	
195	62 Tauri	1755	4	4 9 15.689	+ 359.118	+ 1.514	+ 359.011	+ 0.107	
		1850	7	4 14 57.527	360.535	1.470	360.432	0.103	
196	δ^2 Tauri	1755	5	4 10 0.116	+ 343.753	+ 1.226	+ 342.940	+ 0.813	
		1850	26	4 15 27.228	344.902	1.192	344.085	0.817	
197	χ^1 Tauri	1755	6	4 10 48.289	+ 354.962	+ 1.409	+ 354.325	+ 0.637	
		1850	14	4 16 26.132	356.280	1.366	355.643	0.637	
198	χ^2 Tauri	1755	5	4 10 51.428	+ 354.968	+ 1.411	+ 354.105	+ 0.863	
		1850	10	4 16 29.277	356.288	1.368	355.420	0.868	
199	δ^3 Tauri	1755	5	4 11 20.772	+ 344.895	+ 1.236	+ 344.166	+ 0.729	
		1850	13	4 16 48.974	346.053	1.203	345.319	0.734	
200	70 Tauri	1755	5	4 11 40.046	+ 340.273	+ 1.156	+ 339.708	+ 0.565	
		1850	6	4 17 3.822	341.357	1.125	340 791	0.566	
201	υ^1 Tauri	1755	3	4 11 40.690	+ 356.775	+ 1.430	+ 355.681	+ 1.094	
		1850	45	4 17 20.266	358.113	1.388	357.019	1.094	
202	71 Tauri	1755	5	4 12 24.997	+ 339.740	+ 1.137	+ 339.052	+ 0.688	
		1850	8	4 17 48.258	340.805	1.106	340.117	0.688	
203	π Tauri	1755	4	4 12 47.490	+ 337.053	+ 1.102	+ 337.069	— 0.016	
		1850	3	4 18 8.183	338.086	1.073	338.104	0.018	
204	υ^2 Tauri	1755	5	4 12 40.570	+ 356.210	+ 1.430	+ 356.244	— 0.034	
		1850	9	4 18 19.608	357.548	1.387	357.578	0.030	
205	B. A. C. 1373	1755	. .	4 13 30.143	+ 353.872	+ 1.294	+ 353.018	+ 0.854	
		1850	5	4 19 6.909	355.114	1.320	354.296	0.818	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
186	55 Tauri	7.5	1755	+ 15 54 37.69	+ 953 08	— 44.24	+ 958.01	— 4.93	
		7.3	1850	16 9 23.05	910.72	44.92	915.74	5.02	
187	h Tauri	6.0	1755	+ 13 25 22.88	+ 952.75	— 43.56	+ 955.90	— 3.15	
		6.0	1850	13 40 8.24	911.05	44.22	914.28	3.23	
188	58 Tauri	6.0	1755	+ 14 29 10.95	+ 949.11	— 44.00	+ 951.68	— 2.57	
		6.3	1850	14 43 52.66	907.01	44.65	909.73	2.72	
189	B. A. C. 1335	6.5	1755	+ 13 15 26.00	+ 946.11	— 43.62	+ 948.74	— 2.63	
		6.5	1850	13 30 5.02	904.36	44.27	907.05	2.69	
190	χ Tauri	6.0	1755	+ 25 1 42.08	+ 940.62	— 47.15	+ 944.20	— 3.58	
		5.7	1850	25 16 14.29	895.46	47.93	899.14	3.68	
191	60 Tauri	7.0	1755	+ 13 28 34.69	+ 936.29	— 43.80	+ 939.79	— 3.50	
		6.0	1850	13 43 4.30	894.38	44.44	897.96	3.58	
192	δ^1 Tauri	4.0	1755	+ 16 56 44.33	+ 932.62	— 44.91	+ 935.50	— 2.88	
		4.0	1850	17 11 9.96	889.63	45.60	892.64	3.01	
193	B. A. C. 1347	- -	1755	- - - - -	- - - -	— 46.89	+ 936.25	- - -	
		7.3	1850	+ 24 3 3.9	- - - -	47.69	891.40	- - -	
194	63 Tauri	6.0	1755	+ 16 11 0.00	+ 927.33	— 44.77	+ 931.20	— 3.87	
		6.0	1850	16 25 20.65	884.46	45.46	888.51	4.05	
195	62 Tauri	7.0	1755	+ 23 42 26.42	+ 929.40	— 46.81	+ 932.21	— 2.81	
		6.0	1850	23 56 48.11	884.57	47.56	887.40	2.83	
196	δ^2 Tauri	4.5	1755	+ 16 51 15.09	+ 921.96	— 45.06	+ 926.54	— 4.58	
		5.7	1850	17 5 30.53	878.87	45.67	883.51	4.64	
197	χ^1 Tauri	5.5	1755	+ 21 42 36.64	+ 915.05	— 46.43	+ 920.17	— 5.12	
		4.7	1850	21 56 44.93	870.61	47.14	875.80	5.19	
198	χ^2 Tauri	6.5	1755	+ 21 37 0.00	+ 914.33	— 46.56	+ 919.80	— 5.47	
		6.3	1850	21 51 7.51	869.76	47.25	875.37	5.61	
199	δ^3 Tauri	5.0	1755	+ 17 20 42.56	+ 912.06	— 45.37	+ 916.17	— 4.11	
		5.0	1850	17 34 48.46	868.68	45.97	872.78	4.10	
200	70 Tauri	7.0	1755	+ 15 21 31.51	+ 911.12	— 44.75	+ 913.50	— 2.38	
		6.3	1850	15 35 36.78	868.30	45.40	870.84	2.54	
201	v^1 Tauri	5.0	1755	+ 22 14 4.21	+ 909.00	— 46.85	+ 913.42	— 4.42	
		4.7	1850	22 28 6.51	864.15	47.58	868.68	4.53	
202	71 Tauri	5.5	1755	+ 15 2 23.77	+ 904.45	— 44.76	+ 907.66	— 3.21	
		6.0	1850	15 16 22.73	861.65	45.35	864.98	3.33	
203	π Tauri	5.0	1755	+ 14 8 15.86	+ 901.44	— 44.27	+ 904.73	— 3.29	
		5.0	1850	14 22 12.16	859.08	44.90	862.38	3.30	
204	v^2 Tauri	6.0	1755	+ 22 25 13.97	+ 904.17	— 46.87	+ 905.75	— 1.58	
		6.0	1850	22 39 11.68	859.30	47.58	860.86	1.56	
205	B. A. C. 1373	- -	1755	+ 21 3 3.79	+ 892.71	— 46.76	+ 899.20	— 6.49	
		6.0	1850	21 16 50.64	847.94	47.50	854.62	6.68	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
206	ϵ Tauri	1755	5	4 14 20.531	+ 348.094	+ 1.258	+ 347.346	+ 0.748	
		1850	321	4 19 51.783	349.271	1.219	348.521	0.750	
		1900	- -	4 22 46.570	349.875	1.198	349.126	0.749	
207	75 Tauri	1755	5	4 14 27.949	+ 340.790	+ 1.156	+ 340.880	— 0.090	
		1850	12	4 19 52.217	341.873	1.125	341.962	0.089	
208	76 Tauri	1755	5	4 14 32.229	+ 337.990	+ 1.093	+ 337.265	+ 0.725	
		1850	3	4 19 53.808	339.014	1.063	338.289	0.725	
209	θ^1 Tauri	1755	5	4 14 36.522	+ 340.648	+ 1.137	+ 340.004	+ 0.644	
		1850	21	4 20 0.645	341.713	1.106	341.069	0.644	
210	θ^2 Tauri	1755	5	4 14 42.172	+ 340.528	+ 1.133	+ 339.806	+ 0.722	
		1850	29	4 20 6.180	341.591	1.104	340.867	0.724	
211	80 Tauri	1755	5	4 16 12.218	+ 340.031	+ 1.111	+ 339.405	+ 0.626	
		1850	9	4 21 35.743	341.071	1.080	340.449	0.622	
212	B. A. C. 1391	1755	- -	4 16 34.132	+ 341.239	+ 1.133	+ 340.696	+ 0.543	
		1850	7	4 21 58.815	342.299	1.100	341.749	0.550	
213	81 Tauri	1755	5	4 16 41.925	+ 340.426	+ 1.112	+ 339.568	+ 0.858	
		1850	15	4 22 5.824	341.467	1.080	340.608	0.859	
214	83 Tauri	1755	4	4 26 51.451	+ 335.888	+ 1.044	+ 335.179	+ 0.709	
		1850	3	4 22 11.011	336.866	1.015	336.160	0.706	
215	B. A. C. 1394	1755	- -	- - - - - -	- - - -	+ 1.146	+ 340.610	- - -	
		1850	5	4 22 12.2	- - - -	1.114	341.663	- - -	
216	84 Tauri	1755	5	4 17 14.618	+ 338.537	+ 1.083	+ 338.293	+ 0.244	
		1850	6	4 22 36.711	339.550	1.050	339.307	0.243	
217	85 Tauri	1755	5	4 17 53.819	+ 340.735	+ 1.104	+ 340.029	+ 0.706	
		1850	17	4 23 18.010	341.768	1.071	341.063	0.705	
218	B. A. C. 1406	1755	4	4 19 38.677	+ 341.256	+ 1.108	+ 341.238	+ 0.018	
		1850	3	4 25 3.365	342.292	1.073	342.281	0.011	
219	B. A. C. 1408	1850	11	4 25 15.235	+ 374.120	+ 1.571	+ 374.053	+ 0.067	
220	ρ Tauri	1755	6	4 19 58.309	+ 338.529	+ 1.058	+ 337.912	+ 0.617	
		1850	5	4 25 20.383	339.518	1.025	338.904	0.614	
221	σ Tauri	1755	- -	4 21 53.409	+ 342.322	+ 1.082	+ 341.878	+ 0.444	—0.010
		1850	953	4 27 19.097	343.333	1.045	342.898	0.435	
		1900	- -	4 30 10.893	343.851	1.025	343.419	0.432	
222	W. B. 4^h 650	1850	- -	4 29 25.1	- - - -	+ 1.187	+ 353.016	- - -	
223	89 Tauri	1755	5	4 24 9.548	+ 341.570	+ 1.066	+ 340.939	+ 0.631	
		1850	3	4 29 34.516	342.566	1.030	341.939	0.627	
224	σ^1 Tauri	1755	5	4 25 11.494	+ 340.651	+ 1.044	+ 340.490	+ 0.161	
		1850	5	4 30 35.578	341.626	1.007	341.470	0.156	
225	σ^2 Tauri	1755	5	4 25 17.223	+ 341.320	+ 1.054	+ 340.760	+ 0.560	
		1850	7	4 30 41.947	342.304	1.018	341.748	0.556	

DECLINATIONS

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
206	ε Tauri	4.0	1755	+ 18 36 51.85	+ 888.25	— 46.00	+ 892.60	— 4.35	— 0.10
		3.7	1850	18 50 34.84	844.26	46.63	848.70	4.44	
			1900	18 57 31.12	820.86	46.95	825.36	4.50	
207	75 Tauri	6.0	1755	+ 15 47 23.66	+ 892.56	— 45.01	+ 891.66	+ 0.90	
		6.3	1850	16 1 11.19	849.50	45.65	848.65	0.85	
208	76 Tauri	7.0	1755	+ 14 10 26.56	+ 887.93	— 44.66	+ 891.07	— 3.14	
		6.3	1850	14 24 9.85	845.22	45.27	848.43	3.21	
209	θ^1 Tauri	5.0	1755	+ 15 23 45.21	+ 887.66	— 44.91	+ 890.47	— 2.81	
		4.0	1850	15 37 28.14	844.69	45.55	847.54	2.85	
210	θ^2 Tauri	5.5	1755	+ 15 18 17.73	+ 887.64	— 45.13	+ 889.80	— 2.16	
		4.0	1850	15 32 0.55	844.47	45.75	846.80	2.33	
211	80 Tauri	6.0	1755	+ 15 4 48.84	+ 874.46	— 45.11	+ 877.95	— 3.49	
		6.3	1850	15 18 19.13	831.30	45.75	834.95	3.65	
212	B. A. C. 1391	5.5	1755	+ 15 38 19.53	+ 871.62	— 45.39	+ 875.18	— 3.56	
		5.0	1850	15 51 46.99	828.17	46.07	831.89	3.72	
213	81 Tauri	5.5	1755	+ 15 8 12.94	+ 871.03	— 45.31	+ 874.06	— 3.03	
		6.3	1850	15 21 39.89	827.68	45.96	830.96	3.28	
214	83 Tauri	6.0	1755	+ 13 10 10.25	+ 869.79	— 44.59	+ 872.82	— 3.03	
		6.0	1850	13 23 36.34	827.15	45.18	830.27	3.12	
215	B. A. C. 1394	7.5	1755	+ 15 35 41.33	+ 870.91	— 45.32	+ 873.38	— 2.47	
		7.5	1850	15 49 8.16	827.55	45.97	830.08	2.53	
216	84 Tauri	7.0	1755	+ 14 33 16.34	+ 863.95	— 44.91	+ 869.78	— 5.83	
		7.3	1850	14 46 36.74	821.00	45.52	826.85	5.85	
217	85 Tauri	6.0	1755	+ 15 18 13.06	+ 860.67	— 45.32	+ 864.60	— 3.93	
		6.5	1850	15 31 30.15	817 31	45.95	821.36	4.05	
218	B. A. C. 1406	7.5	1755	+ 15 47 3.39	+ 847.60	— 45.45	+ 850.79	— 3.19	
		7.5	1850	16 0 8.01	804.13	46.07	807.31	3.18	
219	B. A. C. 1408	6.0	1850	+ 28 38 32.32	+ 801.49	— 50.34	+ 805.71	— 4.22	
220	ρ Tauri	5.0	1755	+ 14 18 25.75	+ 844.19	— 45.20	+ 848.19	— 4.00	
		5.3	1850	14 31 27.24	800.97	45 79	805.03	4.06	
221	α Tauri	1.0	1755	+ 15 59 38.38	+ 813.86	— 45.89	+ 832.95	—19.09	— 0.06
		1.0	1850	16 12 10.74	770.00	46.44	789.16	19.16	
			1900	16 18 29.92	746.70	46.72	765.90	19.20	
222	W 4^h 650	6.0	1850	+ 20 22 42.1	. . . .	— 47.86	+ 772.22	. . .	
223	89 Tauri	7.0	1755	+ 15 31 9.50	+ 812.17	— 45.97	+ 814.83	— 2.66	
		6.5	1850	15 43 40.22	768.22	46.55	770.93	2.71	
224	σ^1 Tauri	5.5	1755	+ 15 17 40.96	+ 798.48	— 45.87	+ 806.55	— 8.07	
		5.0	1850	15 29 58.72	754.63	46.44	762.71	8.08	
225	σ^2 Tauri	5.5	1755	+ 15 24 36.19	+ 802.90	— 46.02	+ 805.79	— 2.89	
		5.0	1850	15 36 58.09	758.91	46.60	761.86	2.95	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
226	B. A. C. 1444	1850	8	4 31 56.833	+ 374.134	+ 1.475	+ 373.977	+ 0.157	
227	τ Tauri	1755	5	4 27 34.297	+ 357.861	+ 1.284	+ 357.867	— 0.006	
		1850	89	4 33 14.837	359.056	1.232	359.057	0.001	
228	95 Tauri	1755	5	4 28 25.780	+ 360.911	+ 1.315	+ 360.834	+ 0.077	
		1850	4	4 34 9.230	362.134	1.259	362.061	0.073	
229	B. A. C. 1463	1755	1	4 30 56.976	+ 359.895	+ 1.273	+ 359.927	— 0.032	
		1850	6	4 36 39.443	361.079	1.219	361.117	— 0.038	
230	B. A. C. 1468	1850	8	4 37 31.624	+ 349.387	+ 1.036	+ 348.949	+ 0.429	
231	a Camelopardalis	1755	- -	4 29 53.38	+ 582.73	+ 7.67	+ 583.04	— 0.31	
		1800	- -	4 34 16.38	586.13	7.40	586.44	0.31	
		1850	- -	4 39 10.35	589.75	7.09	590.06	0.31	
		1900	- -	4 44 6.10	593.22	6.75	593.53	0.31	
232	96 Tauri	1755	5	4 35 44.587	+ 341.523	+ 0.974	+ 341.508	+ 0.015	
		1850	15	4 41 9.467	342.428	0.933	342.411	0.017	
233	i Tauri	1755	5	4 37 4.026	+ 349.177	+ 1.041	+ 348.611	+ 0.566	
		1850	26	4 42 36.208	350.145	1.000	349.583	0.562	
234	ι Aurigæ	1755	3	4 41 4.555	+ 388.059	+ 1.556	+ 387.990	+ 0.069	
		1850	212	4 47 13.901	389.495	1.467	389.425	0.070	
		1900	- -	4 50 28.830	390.216	1.417	390.148	0.068	
235	B. A. C. 1526	1755	1	4 43 14.665	+ 344.891	+ 0.943	+ 345.008	— 0.117	
		1850	14	4 48 42.730	345.764	0.896	345.886	0.122	
236	99 Tauri	1755	1	4 42 58.513	+ 361.960	+ 1.153	+ 362.014	— 0.054	
		1850	9	4 48 42.885	363.026	1.092	363.078	0.052	
237	k Tauri	1755	5	4 43 11.415	+ 365.234	+ 1.177	+ 364.961	+ 0.273	
		1850	21	4 48 58.910	366.322	1.114	366.052	0.270	
238	101 Tauri	1755	5	4 45 41.878	+ 342.872	+ 0.885	+ 342.215	+ 0.657	
		1850	3	4 51 7.999	343.693	0.844	343.042	0.651	
239	ι Tauri	1755	5	4 48 28.574	+ 356.856	+ 1.014	+ 356.413	+ 0.443	
		1850	70	4 54 8.038	357.794	0.960	357.353	0.441	
240	11 Orionis	1755	5	4 50 35.410	+ 341.353	+ 0.836	+ 341.304	+ 0.049	
		1850	83	4 56 0.066	342.125	0.790	342.073	0.052	
		1900	- -	4 58 51.226	342.515	0.769	342.463	0.052	
241	m Tauri	1755	5	4 52 59.479	+ 353.077	+ 0.907	+ 349.336	+ 3.741	
		1850	21	4 58 35.303	353.913	0.853	350.165	3.748	
242	l Tauri	1755	5	4 53 19.806	+ 353.473	+ 0.930	+ 353.817	— 0.344	
		1850	16	4 58 56.016	354.328	0.871	354.675	0.347	
243	105 Tauri	1755	5	4 53 17.863	+ 357.043	+ 0.977	+ 357.098	— 0.055	
		1850	18	4 58 57.487	357.944	0.920	357.993	0.049	
244	103 Tauri	1755	5	4 53 12.435	+ 363.756	+ 1.044	+ 363.815	— 0.059	
		1870	16	4 58 58.464	364.716	0.976	364.779	0.063	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
226	B. A. C. 1444	5.7	1850	+ 28 19 9.16	+ 748.64	— 50.94	+ 751.77	— 3.13	
227	τ Tauri	5.0	1755	+ 22 27 47.45	+ 784.90	— 48.44	+ 787.42	— 2.52	
		4.3	1850	22 39 51.15	738.59	49.07	741.20	2.61	
228	95 Tauri	7.0	1755	+ 23 36 1.45	+ 777.95	— 48.85	+ 780.52	— 2.57	
		6.3	1850	23 47 58.36	731.24	49.49	733.81	2.57	
229	B. A. C. 1463	7.5	1755	- - - - -	- - - -	— 48.91	+ 760.15	- - -	
		6.3	1850	+ 23 20 49.7	- - - -	49.53	713.39	- - -	
230	B. A. C. 1468	6.3	1850	+ 18 27 31.12	+ 697.30	— 48.06	+ 706.30	— 9.00	
231	α Camelopardalis	4.7	1755	+ 65 53 11.88	+ 768.54	— 78.81	+ 768.73	— 0.19	
			1800	65 58 49.73	732.84	79.86	733.01	0.17	
			1850	66 4 46.11	692.62	80.99	692.77	0.15	
			1900	66 10 42.25	651.86	82.04	651.99	0.13	
232	96 Tauri	6.0	1755	+ 15 27 12.45	+ 720.65	— 46.80	+ 721.14	— 0.49	
		6.5	1850	15 38 15.87	675.94	47.32	676.44	0.50	
233	i Tauri	5.5	1755	+ 18 23 57.87	+ 705.86	— 48 06	+ 710.31	— 4.45	
		5.3	1850	18 34 46.66	659.95	48.60	664.53	4.58	
234	ι Aurigæ	4.0	1755	+ 32 45 5.80	+ 675.21	— 53.59	+ 677.38	— 2.17	
		3.0	1850	32 55 22.98	624.01	54.21	626.16	2.15	
			1900	33 0 28.19	596.83	54.53	598.98	2.15	
235	B. A. C. 1526	6.5	1755	+ 16 44 45.52	+ 656.65	— 47.78	+ 659.51	— 2.86	
		5.3	1850	16 54 47.71	611.03	48.27	613.83	2.80	
236	99 Tauri	6.5	1755	+ 23 32 29.36	+ 659.22	— 50.26	+ 661.73	— 2.51	
		6.0	1850	23 42 32.87	611.20	50.84	613.82	2.62	
237	k Tauri	6.0	1755	+ 24 38 50.61	+ 653.80	— 50.67	+ 659.92	— 6.12	
		6.0	1850	24 48 48.75	605.37	51.31	611.60	6.23	
238	101 Tauri	7.0	1755	+ 15 31 26.45	+ 635.86	— 47.78	+ 639.17	— 3.31	
		7.0	1850	15 41 8.88	590.25	48.24	593.64	3.39	
239	ι Tauri	4.5	1755	+ 21 12 56.39	+ 610.98	— 50.00	+ 616.07	— 5.09	
		5.0	1850	21.22 14.09	563.26	50.47	568.51	5.25	
240	11 Orionis	5.0	1755	+ 15 2 21.71	+ 594.65	— 47.89	+ 598.46	— 3.81	— 0.03
		5.0	1850	15 11 24.96	548.98	48.27	552.82	3.84	
			1900	15 15 53.41	524.80	48.47	528.66	3.86	
241	m Tauri	5.0	1755	+ 18 17 29.97	+ 580.72	— 50.30	+ 578.36	+ 2.36	
		5.3	1850	18 26 18.88	532.74	50.70	531.03	1.71	
242	l Tauri	5.5	1755	+ 20 4 14.93	+ 572.09	— 49.72	+ 575 50	— 3.41	
		5.7	1850	20 12 55.90	524.66	50.12	528.11	3.45	
243	105 Tauri	6.0	1755	+ 21 21 21.61	+ 573.86	— 50.24	+ 575.76	— 1.90	
		6.0	1850	21 30 4.07	525.98	50.57	527.90	1.92	
244	103 Tauri	6.0	1755	+ 23 54 58.41	+ 575.39	— 51.07	+ 576.52	— 1.13	
		6.0	1850	24 3 41.92	526.65	51.55	527.76	1.11	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
245	107 Tauri	1755	5	4 54 24.276	+ 352.450	+ 0.908	+ 352.479	— 0.029	
		1850	3	4 59 59.505	353.287	0.854	353.317	0.030	
246	W 4h 1421	1850	. .	5 0 19.1	. . . .	+ 1.071	+ 375.398	. . .	
247	15 Orionis	1755	5	4 55 41.741	+ 342.013	+ 0.797	+ 342.062	— 0.049	
		1850	26	5 1 7.005	342.748	0.751	342.800	0.052	
248	*a* Aurigæ	1755	. .	4 58 37.982	+ 440.137	+ 1.879	+ 439.270	+ 0.867	—0.052
		1850	. .	5 5 36.928	441.821	1.666	441.005	0.816	
		1900	. .	5 9 18.043	442.631	1.573	441.848	0.783	
249	108 Tauri	1755	5	5 0 45.440	+ 359.046	+ 0.901	+ 359.191	— 0.145	
		1850	2	5 6 26.931	359.872	0.837	360.019	0.147	
250	*β* Orionis	1755	. .	5 2 46.463	+ 287.588	+ 0.413	+ 287.613	— 0.025	
		1850	. .	5 7 19.856	287.974	0.400	287.999	0.025	
		1900	. .	5 9 43.892	288.172	0.391	288.199	0.027	
251	*n* Tauri	1755	5	5 4 34.475	+ 359.140	+ 0.861	+ 358.981	+ 0.159	
		1850	32	5 10 16.037	359.927	0.796	359.762	0.165	
252	22 Aurigæ	1755	5	5 7 53.265	+ 378.373	+ 0.995	+ 378.273	+ 0.100	
		1850	3	5 13 53.155	379.276	0.907	379.166	0.110	
253	110 Tauri	1755	5	5 9 29.917	+ 345.197	+ 0.687	+ 345.521	— 0.324	
		1850	3	5 14 58.156	345.825	0.635	346.155	0.330	
254	111 Tauri	1755	5	5 10 8.643	+ 348.919	+ 0.706	+ 347.255	+ 1.664	
		1850	15	5 15 40.428	349.564	0.653	347.893	1.671	
255	*β* Tauri	1755	10	5 10 49.487	+ 377.795	+ 0.904	+ 377.597	+ 0.198	—0.010
		1850	. .	5 16 48.787	378.611	0.814	378.410	0.201	
		1900	. .	5 19 58.192	379.006	0.767	378.821	0.185	
256	113 Tauri	1755	5	5 11 57.240	+ 345.514	+ 0.665	+ 345.646	— 0.132	
		1850	5	5 17 25.770	346.121	0.613	346.258	0.137	
257	115 Tauri	1755	2	5 12 53.442	+ 348.914	+ 0.680	+ 348.855	+ 0.059	
		1850	19	5 18 25.209	349.533	0.624	349.473	0.060	
258	*o* Tauri	1755	5	5 12 56.163	+ 359.173	+ 0.756	+ 359.116	+ 0.057	
		1850	31	5 18 37.709	359.861	0.692	359.797	0.064	
259	B. A. C. 1699	1755	1	5 13 25.553	+ 343.900	+ 0.640	+ 344.085	— 0.185	
		1850	3	5 18 52.538	344.483	0.588	344.672	0.189	
260	116 Tauri	1755	5	5 13 41.825	+ 343.713	+ 0.633	+ 343.690	+ 0.023	
		1850	9	5 19 8.630	344.290	0.581	344.270	0.020	
261	117 Tauri	1755	. .	5 13 49.317	+ 347.088	+ 0.652	+ 347.096	— 0.008	
		1850	6	5 19 19.338	347.682	0.598	347.690	0.008	
262	B. A. C. 1703	1755	2	5 14 2.774	+ 344.681	+ 0.643	+ 345.109	— 0.428	
		1850	3	5 19 30.502	345.266	0.589	345.706	0.440	
263	Groombridge 966	1755	. .	5 7 9.10	+ 787.92	+10.61	+ 787.14	+ 0.78	
		1800	. .	5 13 4 72	792.49	9.63	791.70	0.79	
		1850	. .	5 19 42.12	797.00	8.38	796.20	0.80	
		1900	. .	5 26 21.60	800.83	7.02	800.04	0.79	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
245	107 Tauri	7.0	1755	+ 19 31 0.31	+ 565.71	— 49.56	+ 566.47	— 0.76	
		6.5	1850	19 39 35.30	518.42	50.00	519.15	0.73	
246	W 4h 1421	6.0	1850	+ 27 50 5.2	- - - -	— 53.14	+ 516.41	- - -	
247	15 Orionis	5.0	1755	+ 15 15 36.86	+ 555.07	— 48.17	+ 555.62	— 0.55	
		5.3	1850	15 24 2.38	509.12	48.57	509.65	0.53	
248	α Aurigæ	1.0	1755	+ 45 43 5.52	+ 487.59	— 62.35	+ 530.92	—43.33	— 0.11
		1.0	1850	45 50 20.51	428.07	62.96	471.48	43.41	
			1900	45 53 46.66	+ 396.51	63.28	439.98	43.47	
249	108 Tauri	7.0	1755	+ 21 58 45.88	+ 512.05	— 50.84	+ 512.90	— 0.85	
		6.3	1850	22 6 29.32	463.56	51.24	464.39	0.83	
250	β Orionis	1.0	1755	— 8 30 16.69	+ 495.19	— 40.88	+ 495.80	— 0.61	
		1.0	1850	8 22 44.74	456.26	41.09	456.87	0.61	
			1900	8 19 1.75	435.68	41.19	436.29	0.61	
251	ν Tauri	5.5	1755	+ 21 49 4.43	+ 472.34	— 51.22	+ 480.54	— 8.20	
		5.7	1850	21 56 9.97	423.50	51.60	431.82	8.32	
252	22 Aurigæ	7.0	1755	+ 28 40 33.80	+ 459.22	— 53.99	+ 452.31	+ 6.91	
		7.0	1850	28 47 25.64	407.74	54.40	400.86	6.88	
253	110 Tauri	7.0	1755	+ 16 26 36.80	+ 435.86	— 49.28	+ 438.56	— 2.70	
		6.8	1850	16 33 8.57	388.89	49.60	391.55	2.66	
254	111 Tauri	6.0	1755	+ 17 7 51.40	+ 433.10	— 50.22	+ 433.05	+ 0.05	
		5.7	1850	17 14 20.15	385.25	50.52	385.50	— 0.25	
255	β Tauri	2.0	1755	+ 28 22 26.51	+ 409.20	— 54.12	+ 427.23	—18.03	— 0.03
		2.0	1850	28 28 30.78	357.64	54.44	375.70	18.06	
			1900	28 31 22.79	330.38	54.60	348.46	18.08	
256	113 Tauri	6.0	1755	+ 16 27 28.43	+ 416.43	— 49.46	+ 417.56	— 1.13	
		7.0	1850	16 33 41.67	369.30	49.76	370.38	1.08	
257	115 Tauri	5.5	1755	+ 17 43 34.90	+ 409.21	— 50.02	+ 405.50	— 0.29	
		6.0	1850	17 49 41.01	361.51	50.41	361.88	0.37	
258	ο Tauri	5.0	1755	+ 21 42 8.40	+ 408.01	— 51.60	+ 409.16	— 1.15	
		6.0	1850	21 48 12.71	358.84	51.93	360.10	1.26	
259	B. A. C. 1699	8.0	1755	+ 15 48 24.03	+ 403.02	— 49.28	+ 404.92	— 1.90	
		8.0	1850	15 54 24.61	356.06	49.57	357.94	1.88	
260	116 Tauri	6.0	1755	+ 15 38 35.80	+ 398.93	— 49.30	+ 402.62	— 3.69	
		6.0	1850	15 44 32.49	351.96	49.58	355.65	3.69	
261	117 Tauri	- -	1755	+ 17 0 42.26	+ 393.62	— 49.98	+ 401.65	— 8.03	
		6.3	1850	17 6 33.59	346.01	50.27	354.12	8.11	
262	B. A. C. 1703	7.0	1755	- - - - - -	- - - -	— 49.38	+ 399.62	- - -	
		6.9	1850	+ 16 18 40.4	- - - -	49.67	352.49	- - -	
263	Groombridge 966	- -	1755	+ 74 49 31.24	+ 460.64	—112.21	+ 458.59	+ 2.05	
			1800	74 52 47.12	409.84	113.48	407.85	1.99	
		6.5	1850	74 55 57.80	352.78	114.74	350.84	1.94	
			1900	74 58 39.81	+ 295.15	—115.84	+ 293.27	+ 1.88	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
264	118 Tauri	1755	5	5 14 12.796	+ 368.030	+ 0.797	+ 367.923	+ 0.107	
		1850	8	5 20 2.773	368.750	0.720	368.644	0.106	
265	119 Tauri	1755	5	5 17 51.757	+ 350.782	+ 0.641	+ 350.711	+ 0.071	
		1850	32	5 23 25.279	351.362	0.581	351.289	0.073	
266	B. A. C. 1728	1850	- -	5 23 32.9	- - - -	+ 0.558	+ 347.391	- - -	
267	δ Orionis	1755	10	5 19 30.004	+ 305.809	+ 0.410	+ 305.844	— 0.035	
		1850	607	5 24 20.704	306.187	0.385	306.220	0.033	
		1900	- -	5 26 53.845	306.376	0.371	306.410	0.034	
268	120 Tauri	1755	5	5 19 10.871	+ 350.685	+ 0.632	+ 350.638	+ 0.047	
		1850	18	5 24 44.298	351.258	0.574	351.203	0.055	
269	α Leporis	1755	5	5 21 55.947	+ 264.069	+ 0.311	+ 264.090	— 0.021	+0.002
		1850	209	5 26 6.951	264.358	0.298	264.377	0.019	
		1900	- -	5 28 19.167	264.506	0.293	264.528	0.022	
270	121 Tauri	1755	5	5 20 30.319	+ 365.279	+ 0.696	+ 365.262	+ 0.017	
		1850	15	5 26 17.637	365.904	0.620	365.884	0.020	
271	122 Tauri	1755	5	5 22 51.337	+ 347.313	+ 0.557	+ 347.014	+ 0.299	
		1850	5	5 28 21.527	347.816	0.501	347.524	0.292	
272	ε Orionis	1755	10	5 23 47.501	+ 303.743	+ 0.382	+ 303.815	— 0.072	
		1850	420	5 28 36.227	304.095	0.358	304.167	0.072	
		1900	- -	5 31 8.319	304.271	0.346	304.343	0.072	
273	ζ Tauri	1755	5	5 23 0.961	+ 357.612	+ 0.617	+ 357.593	+ 0.019	
		1850	119	5 28 40.961	358.167	0.552	358.147	0.020	
274	26 Aurigæ	1755	3	5 22 55.275	+ 383.979	+ 0.785	+ 384.202	— 0.223	
		1850	6	5 29 0.394	384.676	0.684	384.901	0.225	
275	B. A. C. 1772	1850	- -	5 29 46.2	- - - -	+ 0.651	+ 381.024	- - -	
276	125 Tauri	1755	5	5 24 34.046	+ 370.742	+ 0.675	+ 370.701	+ 0.041	
		1850	23	5 30 26.541	371.340	0.586	371.300	0.040	
277	126 Tauri	1755	5	5 27 8.772	+ 346.020	+ 0.510	+ 345.916	+ 0.104	
		1850	10	5 32 37.713	346.479	0.456	346.381	0.098	
278	B. A. C. 1796	1755	1	5 28 4.368	+ 352.261	+ 0.521	+ 352.210	+ 0.051	
		1850	3	5 33 39.241	352.726	0.458	352.675	0.051	
279	127 Tauri	1755	5	5 28 29.680	+ 352.002	+ 0.522	+ 352.199	— 0.197	
		1850	3	5 34 4.308	352.468	0.459	352.670	0.202	
280	B. A. C. 1801	1850	- -	5 34 13.1	- - - -	+ 0.507	+ 363.926	- - -	
281	α Columbæ	1755	- -	5 30 46.941	+ 216.902	+ 0.281	+ 216.757	+ 0.145	—0.002
		1850	179	5 34 13.124	217.166	0.275	217.023	0.143	
		1900	- -	5 36 1.741	217.303	0.272	217.163	0.140	
282	128 Tauri	1755	5	5 30 47.008	+ 344.886	+ 0.472	+ 344.928	— 0.042	
		1850	6	5 36 14.854	345.308	0.416	345.356	0.048	
283	129 Tauri	1755	5	5 32 40.685	+ 344.326	+ 0.449	+ 344.333	— 0.007	
		1850	21	5 38 7.989	344.726	0.394	344.738	0.012	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
264	118 Tauri	7.0	1755	+ 24 55 33.01	+ 395.19	− 52.81	+ 398.19	− 3.00	
		5.7	1850	25 1 24.57	344.87	53.14	347.90	3.03	
265	119 Tauri	5.5	1755	+ 18 23 13.74	+ 366.33	− 50.57	+ 366.80	− 0.47	
		5.0	1850	18 28 38.91	318.18	50.84	318.75	0.57	
266	B. A. C. 1728	6.0	1850	+ 16 56 26.5	. . . .	− 50.18	+ 317.66	. . .	
267	δ Orionis	2.0	1755	− 0 30 7.62	+ 352.28	− 44.13	+ 352.76	− 0.48	− 0.02
		2.3	1850	0 24 52.89	310.27	44.29	310.76	0.49	
			1900	0 22 23.30	288.11	44.37	288.62	0.51	
268	120 Tauri	6.0	1755	+ 18 20 25.60	+ 356.22	− 50.69	+ 355.57	+ 0.65	
		6.0	1850	18 25 41.09	307.94	50.95	307.37	0.57	
269	ε Leporis	3.5	1755	− 18 0 58.59	+ 331.72	− 38.19	+ 331.77	− 0.05	− 0.01
		2.7	1850	17 56 0.71	295.39	38.29	295.45	0.06	
			1900	17 53 37.80	276.23	38.35	276.29	0.06	
270	121 Tauri	6.0	1755	+ 23 51 3.66	+ 341.07	− 52.79	+ 344.07	− 3.00	
		6.0	1850	23 56 3.82	290.78	53.11	293.92	3.14	
271	122 Tauri	6.0	1755	+ 16 51 52.78	+ 318.50	− 50.18	+ 323.77	− 5.27	
		6.0	1850	16 56 32.68	270.72	50.42	276.00	5.28	
272	ε Orionis	2.3	1755	− 1 22 48.15	+ 315.73	− 43.92	+ 315.70	+ 0.03	
		1.8	1850	1 18 8.05	273.94	44.05	273.90	0.04	
			1900	1 15 56.59	251.90	44.13	251.86	0.04	
273	ζ Tauri	3.4	1755	+ 20 58 5.69	+ 318.62	− 51.77	+ 322.40	− 3.78	
		3.3	1850	21 2 44.97	269.32	52.00	273.21	3.89	
274	26 Aurigæ	5.0	1755	30 19 10.33	+ 322.39	− 55.39	+ 323.20	− 0.81	
		6.0	1850	30 23 51.54	269.63	55.69	270.41	0.78	
275	B. A. C. 1772	6.3	1850	+ 29 7 24.6	. . . .	− 55.22	+ 263.80	. . .	
276	125 Tauri	6.0	1755	+ 25 44 0.74	+ 305.99	− 53.74	+ 309.00	− 3.01	
		6.0	1850	25 48 27.13	254.84	53.95	257.96	3.12	
277	126 Tauri	5.5	1755	+ 16 22 56.42	+ 284.27	− 50.10	+ 286.64	− 2.37	
		5.7	1850	16 27 3.84	236.58	50.30	238.96	2.38	
278	B. A. C. 1796	8.0	1755	+ 18 50 38.81	+ 270.10	− 51.02	+ 278.61	− 8.51	
		7.5	1850	18 54 32.36	221.54	51.22	230.02	8.48	
279	127 Tauri	8.0	1755	+ 18 50 14.02	+ 270.64	− 50.95	+ 274.96	− 4.32	
		6.3	1850	18 54 8.09	222.14	51.16	226.36	4.22	
280	B. A. C. 1801	6.0	1850	+ 23 7 41.5	. . . .	− 52.91	+ 225.15	. . .	
281	α Columbæ	. .	1755	− 34 13 9.25	+ 250.64	− 31.55	+ 255.10	− 4.46	− 0.03
		2.5	1850	34 9 25.39	220.64	31.61	225.14	4.50	
			1900	34 7 39.02	204.82	31.65	209.34	4.52	
282	128 Tauri	6.0	1755	+ 15 57 18.39	+ 253.73	− 50.01	+ 255.09	− 1.36	
		6.9	1850	16 0 56.85	206.19	50.07	207.50	1.31	
283	129 Tauri	6.0	1755	+ 15 42 8.98	+ 236.57	− 49.97	+ 238.63	− 2.06	
		6.3	1850	15 45 31.13	189.02	50.14	191.07	2.05	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
284	130 Tauri	1755	5	5 33 9.684	+ 349.043	+ 0.464	+ 349.169	— 0.126	
		1850	11	5 38 41.475	349.455	0.404	349.584	0.129	
285	132 Tauri	1755	5	5 33 59.491	+ 367.381	+ 0.527	+ 367.447	— 0.066	
		1850	26	5 39 48.728	367.843	0.446	367.908	0.065	
286	136 Tauri	1755	5	5 37 56.206	+ 376.470	+ 0.492	+ 376.390	+ 0.080	
		1850	43	5 43 54.057	376.895	0.402	376.820	0.075	
287	B. A. C. 1867	1755	1	5 38 45.734	+ 356.144	+ 0.409	+ 356.045	+ 0.099	
		1850	12	5 44 24.195	356.500	0.342	356.412	0.088	
288	χ^1 Orionis	1755	5	5 39 52.959	+ 354.689	+ 0.394	+ 356.037	— 1.348	
		1850	44	5 45 30.081	355.031	0.327	356.388	1.357	
289	χ^2 Orionis	1755	5	5 40 26.900	+ 354.586	+ 0.402	+ 354.656	— 0.070	
		1850	11	5 46 3.928	354.936	0.335	355.003	0.067	
290	o Orionis	1755	- -	5 41 54.894	+ 324.308	+ 0.321	+ 324.170	+ 0.138	+0.001
		1850	- -	5 47 3.125	324.593	0.279	324.452	0.141	
		1900	- -	5 49 45.456	324.728	0.261	324.589	0.139	
291	139 Tauri	1755	3	5 42 47.976	+ 371.718	+ 0.411	+ 371.757	— 0.039	
		1850	17	5 48 41.281	372.069	0.328	372.112	0.043	
292	140 Tauri	1755	- -	5 45 37.480	+ 363.172	+ 0.354	+ 363.277	— 0.105	
		1850	3	5 51 22.647	363.472	0.279	363.577	0.105	
293	141 Tauri	1755	5	5 46 54.385	+ 361.750	+ 0.336	+ 361.952	— 0.202	
		1850	12	5 52 38.187	362.034	0.263	362.237	0.203	
294	χ^3 Orionis	1755	3	5 48 58.106	+ 354.221	+ 0.295	+ 354.755	— 0.534	
		1850	7	5 54 34.739	354.470	0.230	355.007	0.537	
295	1 Geminorum	1755	5	5 49 13.828	+ 364.418	+ 0.292	+ 364.413	+ 0.005	
		1850	92	5 55 0.144	364.655	0.216	364.653	0.002	
296	χ^4 Orionis	1755	- -	5 49 22.636	+ 355.766	+ 0.292	+ 355.946	— 0.180	
		1850	18	5 55 0.734	356.011	0.224	356.194	0.183	
297	2 Geminorum	1755	5	5 51 52.639	+ 365.535	+ 0.273	+ 365.498	+ 0.037	
		1850	7	5 57 40.009	365.757	0.195	365.721	0.036	
298	ν Orionis	1755	5	5 53 35.016	+ 342.472	+ 0.235	+ 342.257	+ 0.215	
		1850	132	5 59 0.462	342.670	0.181	342.458	0.212	
		1900	- -	6 1 51.819	342.754	0.153	342.541	0.213	
299	3 Geminorum	1755	5	5 54 51.421	+ 364.107	+ 0.219	+ 364.116	— 0.009	
		1850	18	6 0 37.410	364.282	0.150	364.298	0.006	
300	4 Geminorum	1755	5	5 55 38.384	+ 363.776	+ 0.214	+ 363.811	— 0.035	
		1850	3	6 1 24.056	363.942	0.137	363.988	0.046	
301	22 (H) Camelopardalis	1755	- -	5 51 49.60	+ 661.72	+ 0.90	+ 661.87	— 0.15	
		1800	- -	5 56 47.44	661.99	+ 0.30	662.17	0.18	
		1850	- -	6 2 18.45	661.98	— 0.36	662.19	0.21	
		1900	- -	6 7 49.37	+ 661.64	— 1.02	+ 661.87	— 0.23	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
284	130 Tauri	6.0	1755	+ 17 36 43.61	+ 234.99	— 50.72	+ 234.42	+ 0.57	
		6.0	1850	17 40 3.96	186.89	50.55	186.20	0.69	
285	132 Tauri	5.0	1755	+ 24 27 32.26	+ 225.29	— 53.50	227.28	— 1.99	
		5.3	1850	24 30 42.11	174.36	53.72	176.45	2.09	
286	136 Tauri	4.5	1755	+ 27 31 38.86	+ 191.88	— 54.85	+ 192.84	— 0.96	
		5.3	1850	27 34 16.39	139.70	55.01	140.78	1.08	
287	B. A. C. 1867	7.5	1755	+ 20 13 7.85	+ 176.27	— 51.82	+ 185.69	— 9.42	
		7.2	1850	20 15 31.90	126.97	51.96	136.37	9.40	
288	χ^1 Orionis	5.0	1755	+ 20 12 20.95	+ 165.48	— 51.42	+ 175.88	—10.40	
		4.7	1850	20 14 34.93	116.57	51.54	126.81	10.24	
289	χ^2 Orionis	6.0	1755	+ 19 40 37.02	+ 169.65	— 51.77	+ 171.00	— 1.35	
		6.0	1850	19 42 54.81	120.44	51.81	121.87	1.43	
290	α Orionis	1.0	1755	+ 7 20 17.74	+ 158.88	— 47.29	+ 158.18	+ 0.70	— 0.02
		1.3	1850	7 22 27.34	113.94	47.34	113.25	0.69	
			1900	7 23 18.39	90.26	47.36	89.59	0.67	
291	139 Tauri	5.5	1755	+ 25 53 48.55	+ 150.44	— 54.29	+ 150.44	0.00	
		5.3	1850	25 55 46.97	98.77	54.50	98.95	— 0.18	
292	140 Tauri	8.0	1755	+ 22 51 33.28	+ 125.16	— 52.91	+ 125.77	— 0.61	
		7.0	1850	22 53 8.28	74.85	53.00	75.41	0.56	
293	141 Tauri	6.0	1755	+ 22 22 5.76	+ 111.99	— 52.82	+ 114.56	— 2.57	
		6.7	1850	22 23 28.30	61.78	52.88	64.42	2.64	
294	χ^3 Orionis	5.0	1755	+ 19 40 10.15	+ 93.95	— 51.54	+ 96.54	— 2.59	
		6.0	1850	19 41 16.11	44.94	51.64	47.44	2.50	
295	1 Geminorum	5.0	1755	+ 23 15 1.82	+ 84.13	— 53.23	+ 94.23	—10.10	
		5.0	1850	23 15 57.72	33.53	53.35	43.74	10.21	
296	χ^4 Orionis	5.5	1755	+ 20 7 7.77	+ 92.34	— 52.03	+ 93.00	— 0.66	
		5.0	1850	20 8 11.99	42.86	52.14	43.64	0.78	
297	2 Geminorum	6.5	1755	+ 23 38 6.78	+ 69.63	— 53.33	+ 71.10	— 1.47	
		7.2	1850	23 38 48.86	18.95	53.37	20.43	1.48	
298	ν Orionis	4.5	1755	+ 14 46 24.93	+ 53.24	— 50.11	+ 56.15	— 2.81	
		4.7	1850	14 46 52.89	+ 5.65	50.08	+ 8.67	3.02	
			1900	14 46 49.46	— 19.38	50.04	— 16.31	— 3.07	
299	3 Geminorum	6.0	1755	+ 23 7 39.13	+ 43.80	— 53.30	+ 45.04	— 1.24	
		6.3	1850	23 7 56.69	— 6.84	53.30	— 5.45	1.39	
300	4 Geminorum	7.0	1755	+ 23 0 59.89	+ 31.75	— 53.06	+ 38.17	— 6.42	
		7.4	1850	23 1 6.10	— 18.67	53.08	— 12.25	6.42	
301	22 (H) Camelopardalis		1755	+ 69 21 32.94	+ 59.66	— 96.48	+ 71.53	—11.87	
			1800	69 21 50.05	+ 16.24	96.55	+ 28.09	11.85	
		4.7	1850	69 21 46.10	— 32.03	96.52	— 20.19	11.84	
			1900	+ 69 21 18.03	— 80.26	— 96.40	— 68.43	—11.83	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
302	5 Geminorum . .	1755	5	5 56 30.891	+ 367.767	+ 0.203	+ 367.803	— 0.036	
		1850	13	6 2 20.349	367.921	0.121	367.960	0.039	
303	68 Orionis	1755	2	5 57 30.465	+ 355.463	+ 0.191	+ 355.206	+ 0.257	
		1850	10	6 3 8.231	355.613	0.124	355.360	0.253	
304	6 Geminorum . .	1755	4	5 57 28.040	+ 363.561	+ 0.196	+ 363.601	— 0.040	
		1850	9	6 3 13.499	363.711	0.120	363.754	0.043	
305	f^1 Orionis	1755	4	5 57 55.908	+ 345.634	+ 0.193	+ 345.757	— 0.123	
		1850	4	6 3 24.338	345.790	0.135	545.918	0.128	
306	κ Aurigæ	1755	4	5 59 45.882	+ 382.364	+ 0.113	+ 382.864	— 0.500	
		1850	35	6 5 49.164	382.424	0.013	382.948	0.524	
307	η Geminorum . .	1755	5	6 0 5.307	+ 362.130	+ 0.163	+ 362.547	— 0.417	
		1850	214	6 5 49.393	362.250	0.090	362.667	0.417	
308	71 Orionis	1755	4	6 0 26.121	+ 352.826	+ 0.128	+ 353.620	— 0.794	
		1850	17	6 6 1.354	352.917	0.064	353.729	0.812	
309	f^2 Orionis	1755	3	6 1 17.515	+ 345.919	+ 0.158	+ 345.840	+ 0.079	
		1850	3	6 6 46.200	346.042	0.101	345.969	0.073	
310	8 Geminorum . .	1755	4	6 1 21.079	+ 366.411	+ 0.140	+ 366.617	— 0.206	
		1850	3	6 7 9.220	366.506	0.060	366.717	0.211	
311	9 Geminorum . .	1755	5	6 2 1.981	+ 365.916	+ 0.135	+ 365.984	— 0.068	
		1850	3	6 7 49.650	366.006	0.056	366.079	0.073	
312	10 Geminorum . .	1755	4	6 3 58.751	+ 365.454	+ 0.101	+ 365.627	— 0.173	
		1850	3	6 9 45.976	365.513	0.023	365.697	0.184	
313	11 Geminorum . .	1755	3	6 4 24.316	+ 365.352	+ 0.106	+ 365.259	+ 0.093	
		1850	3	6 10 11.437	365.416	0.028	365.324	0.092	
314	12 Geminorum . .	1755	. .	. . . . .	. . . .	+ 0.111	+ 364.719	. . .	
		1850	. .	6 10 15.7	. . . . .	0.033	364.778	. . .	
315	μ Geminorum . .	1755	5	6 8 8.100	+ 363.162	+ 0.040	+ 362.679	+ 0.483	—0.008
		1850	498	6 13 53.111	363.166	— 0.032	362.691	0.475	
		1900	. .	6 16 54.688	363.141	0.070	362.674	0.467	
316	Lal. 12148 . . .	1755	. .	. . . . .	. . . .	. . .	+ 349.586	. . .	
		1850	. .	6 14 5.1	. . . .	+ 0.017	349.626	. . .	
317	14 Geminorum . .	1755	4	6 11 0.447	+ 360.126	+ 0.024	+ 360.314	— 0.188	
		1850	3	6 16 42.567	360.115	— 0.049	360.308	0.193	
318	15 Geminorum(2d star)	1755	4	6 13 10.304	+ 357.732	0.000	+ 358.030	— 0.298	
		1850	15	6 18 50.139	357.699	— 0.070	358.001	0.302	
319	48 Aurigæ	1755	. .	6 12 48.974	+ 385.893	— 0.071	+ 386.035	— 0.142	
		1850	13	6 18 55.524	385.776	0.176	385.920	0.144	
320	16 Geminorum . .	1755	5	6 13 22.233	+ 356.987	+ 0.005	+ 357.240	— 0.253	
		1850	5	6 19 1.362	356.959	— 0.063	357.210	0.251	
321	ν Geminorum . .	1755	5	6 14 24.816	+ 356.380	— 0.013	+ 356.489	— 0.109	
		1850	55	6 20 3.361	356.338	0.075	356.448	0.110	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
302	5 Geminorum	7.0	1755	+ 24 26 52.83	+ 24.06	— 53.65	+ 30.51	— 6.45	
		6.7	1850	24 26 51.48	— 26.91	53.66	— 20.47	6.44	
303	68 Orionis	6.0	1755	+ 19 49 12.13	+ 19.43	— 52.06	+ 21.82	— 2.39	
		6.0	1850	19 49 7.07	— 30.05	52.11	— 27.45	2.60	
304	6 Geminorum	6.5	1755	+ 22 56 16.39	+ 22.23	— 53.11	+ 22.18	+ 0.05	
		6.7	1850	22 56 13.58	— 28.21	53.08	— 28.22	0.01	
305	f^1 Orionis	6.0	1755	+ 16 9 40.26	+ 16.71	— 50.41	+ 18.11	— 1.40	
		5.7	1850	16 9 33.39	— 31.18	50.41	— 29.80	1.38	
306	κ Aurigæ	4.0	1755	+ 29 33 40.92	— 25.94	— 55.70	+ 2.06	—28.00	
		4.7	1850	29 32 51.15	78.84	55.67	— 50.91	27.93	
307	η Geminorum	4.5	1755	+ 22 33 8.01	— 2.31	— 52.83	— 0.78	— 1.53	
		3.3	1850	22 32 41.99	52.54	52.92	50.95	1.59	
308	71 Orionis	5.5	1755	+ 19 12 55.49	— 25.30	— 51.52	— 3.78	—21.52	
		6.0	1850	19 12 8.21	74.30	51.66	52.70	21.60	
309	f^2 Orionis	6.0	1755	+ 16 11 37.31	— 12.42	— 50.47	— 11.31	— 1.11	
		5.7	1850	16 11 2.75	60.35	50.44	59.25	1.10	
310	8 Geminorum	7.0	1755	+ 24 1 26.02	— 15.77	— 53.42	— 11.83	— 3.94	
		6.5	1850	24 0 46.95	66.50	53.38	62.56	3.94	
311	9 Geminorum	7.0	1755	+ 23 47 51.59	— 18.92	— 53.36	— 17.80	— 1.12	
		6.3	1850	23 47 9.55	69.59	53.32	68.49	1.10	
312	10 Geminorum	7.5	1755	+ 23 40 19.99	— 41.26	— 53.26	— 34.84	— 6.42	
		7.0	1850	23 39 16.79	91.78	53.11	85.45	6.33	
313	11 Geminorum	7.0	1755	+ 23 32 23.40	— 37.91	— 53.28	— 38.56	+ 0.65	
		7.3	1850	23 31 23.41	88.51	53.23	89.15	0.64	
314	12 Geminorum	8.0	1755	- - - - -	- - - -	— 53.41	— 39.18	- - -	
		7.5	1850	+ 23 19 47.2	- - - -	53.36	89.78	- - -	
315	μ Geminorum	3.0	1755	+ 22 36 49.96	— 83.22	— 53.07	— 71.16	—12.06	— 0.08
		3.0	1850	22 35 6.97	133.58	52.93	121.44	12.14	
			1900	22 33 53.58	160.02	52.85	147.84	12.18	
316	Lal. 12148	- -	1755	+ 17 40 6.47	— 74.85	— 50.93	— 74.85	0.00	
		7.0	1850	17 38 32.37	123.22	50.85	123.22	0.00	
317	14 Geminorum	7.5	1755	+ 21 45 19.68	— 99.12	— 52.40	— 96.33	— 2.79	
		7.2	1850	21 43 21.88	148.86	52.30	146.11	2.75	
318	15 Geminorum(2d star)	6.0	1755	+ 20 54 52.06	— 119.96	— 52.01	— 115.25	— 4.71	
		7.0	1850	20 52 34.65	169.31	51.89	164.65	4.66	
319	48 Aurigæ	6.0	1755	+ 30 37 2.45	— 114.99	— 56.14	— 112.12	— 2.87	
		5.7	1850	30 34 47.90	168.25	55.99	165.42	2.83	
320	16 Geminorum	6.0	1755	+ 20 37 7.89	— 117.58	— 51.90	— 117.00	— 0.58	
		6.8	1850	20 34 52.79	166.83	51.78	166.29	0.54	
321	ν Geminorum	5.0	1755	+ 20 20 31.93	— 128.14	— 52.00	— 126.10	— 2.04	
		4.7	1850	20 18 6.76	177.45	51.80	175.30	2.15	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
322	*a* rgus	1850	. .	6 20 37.48	+ 132.99	+ 0.10	+ 132.90	+ 0.09	
		1875	. .	6 21 10.73	133.02	0.10	132.93	0.09	
		1900	. .	6 21 43.99	133.05	0.10	132.96	0.09	
323	19 Geminorum . .	1755	5	6 17 31.743	+ 345.321	— 0.010	+ 345.368	— 0.047	
		1850	4	6 22 59.785	345.285	0.066	345.335	0.048	
324	20 Geminorum . .	1755	5	6 17 59.571	+ 350.468	— 0.027	+ 350.139	+ 0.329	
		1850	3	6 23 32.494	350.415	0.085	350.085	0.330	
325	21 Geminorum . .	1755	2	6 18 0.471	+ 350.358	— 0.024	+ 350.150	+ 0.208	
		1850	3	6 23 33.290	350.307	0.084	350.097	0.211	
326	49 Aurigæ	1755	5	6 19 45.769	+ 378.397	— 0.160	+ 378.413	— 0.016	
		1850	15	6 25 45.160	378.201	0.252	378.222	0.021	
327	22 Geminorum . .	1755	3	6 20 11.579	+ 354.256	— 0.067	+ 354.422	— 0.166	
		1850	3	6 25 48.083	354.162	0.131	354.327	0.165	
328	23 Geminorum . .	1755	3	6 21 50.665	+ 347.674	— 0.064	+ 347.631	+ 0.043	
		1850	6	6 27 20.918	347.587	0.121	347.548	0.039	
329	51 (H) Cephei . .	1755	. .	5 39 27.33	+3091.51	+103.66	+3097.40	— 5.89	
		1775	. .	5 49 47.43	3106.84	+ 49.94	3113.03	6.19	
		1800	. .	6 2 45.07	3110.80	— 18.22	3117.35	6.55	
		1825	. .	6 15 41.55	3097.79	85.76	3104.64	6.85	
		1850	. .	6 28 32.65	3068.16	150.40	3075.27	7.11	
		1875	. .	6 41 14.35	3022.99	210.09	3030.33	7.34	
		1900	. .	6 53 42.95	+2963.67	—263.18	+2971.20	— 7.53	
330	53 Aurigæ	1755	4	6 22 50.332	+ 381.037	— 0.221	+ 381.284	— 0.247	
		1850	3	6 28 52.203	380.781	0.317	381.030	0.249	
331	*γ* Geminorum . .	1755	10	6 23 33.234	+ 346.891	— 0.078	+ 346.621	+ 0.270	—0.001
		1850	426	6 29 2.737	346.790	0.133	346.525	0.265	
		1900	. .	6 31 56.114	346.715	0.164	346.453	0.262	
332	54 Aurigæ	1755	5	6 24 5.718	+ 378.845	— 0.232	+ 379.082	— 0.237	
		1850	13	6 30 5.501	378.580	0.326	378.822	0.242	
333	25 Geminorum . .	1755	5	6 25 53.849	+ 378.772	— 0.254	+ 378.850	— 0.078	
		1850	7	6 31 53.554	378.486	0.348	378.565	0.079	
334	26 Geminorum . .	1755	5	6 28 7.951	+ 349.790	— 0.147	+ 349.774	+ 0.016	
		1850	12	6 33 40.176	349.623	0.206	349.611	0.014	
335	*ε* Geminorum . .	1755	5	6 28 50.942	+ 369.755	— 0.254	+ 369.864	— 0.109	
		1850	93	6 34 42.084	369.476	0.335	369.586	0.112	
336	28 Geminorum . .	1755	5	6 29 13.181	+ 381.061	— 0.325	+ 381.124	— 0.063	
		1850	9	6 35 15.028	380.707	0.421	380.772	0.065	
337	*α* Canis Majoris . .	1755	⊙	6 34 21.105	+ 264.453	— 0.059	+ 268.073	— 3.620	—0.086
		1850	. .	6 38 32.307	264.392	0.069	268.094	3.702	
		1900	. .	6 40 44.494	264.356	0.073	268.102	3.746	
338	33 Geminorum . .	1755	1	6 35 43.319	+ 345.822	— 0.196	+ 346.028	— 0.206	
		1850	8	6 41 11.753	345.610	0.250	345.820	0.210	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
322	*a* Argus	0.4	1850	— 52 36 55.39	— 179.35	— 19.25	— 180.24	+ 0.89	
			1875	52 37 40.83	184.16	19.25	185.06	0.90	
			1900	52 38 27.48	188.97	19.25	189.87	0.90	
323	19 Geminorum	6.5	1755	+ 16 3 2.36	— 155.31	— 50.16	— 153.32	— 1.99	
		6.6	1850	16 0 12.20	202.90	50.02	200.90	2.00	
324	20 Geminorum	8.0	1755	+ 17 55 39.61	— 156.11	— 50.95	— 157.36	+ 1.25	
		6.3	1850	17 52 48.33	204.45	50.81	205.64	1.19	
325	21 Geminorum	7.0	1755	+ 17 55 55.53	— 154.60	— 50.92	— 157.49	+ 2.89	
		6.5	1850	17 53 5.70	202.90	50.78	205.74	2.84	
326	49 Aurigæ	6.0	1755	+ 28 11 13 18	— 175.82	— 54.92	— 172.81	— 3.01	
		5.7	1850	28 8 1.40	227.90	54.72	224.90	3.00	
327	22 Geminorum	7.5	1755	+ 19 35 32.63	— 176.79	— 51.38	— 176.56	— 0.23	
		7.2	1850	19 32 21.53	225.52	51.22	225.34	0.18	
328	23 Geminorum	8.0	1755	+ 16 58 14.57	— 193.95	— 50.41	— 190.96	— 2.99	
		7.1	1850	16 54 47.60	241.76	50.25	238.77	2.99	
329	51 (H) Cephei	- -	1755	87 15 59.39	+ 174.55	—448.40	+ 179.62	— 5.07	
			1775	87 16 25.15	+ 84.45	451.92	+ 89.35	4.90	
			1800	87 16 32.16	— 28.75	452.81	— 24.08	4.67	
			1825	87 16 10.85	141.66	449.79	137.24	4.42	
		5.3	1850	87 15 21.41	253.32	442.99	249.15	4.17	
			1875	87 14 4.35	362.82	432.67	358.91	3.91	
			1900	87 12 20.24	— 469.33	—419.26	— 465.69	— 3.64	
330	53 Aurigæ	7.5	1755	+ 29 10 2.85	— 201.94	— 55.19	— 199.62	— 2.32	
		6.0	1850	29 6 26.16	254.21	54.86	251.96	2.25	
331	*γ* Geminorum	3.0	1755	+ 16 35 2.90	— 210.50	— 50.37	— 205.80	— 4.70	— 0.05
		2.3	1850	16 31 20.22	258.25	50.15	253.50	4.75	
			1900	16 29 4.84	283.29	50.03	278.52	4.77	
332	54 Aurigæ	6.0	1755	+ 28 27 12.77	— 214.60	— 54.84	— 210.56	— 4.04	
		6.0	1850	28 23 24.19	266.58	54.60	262.57	4.01	
333	25 Geminorum	7.0	1755	+ 28 23 47.03	— 226.97	— 54.79	— 226.24	— 0.73	
		6.5	1850	28 19 46.72	278.91	54.55	278.20	0.71	
334	26 Geminorum	5.5	1755	+ 17 51 38.56	— 255.75	— 50.65	— 245.67	—10.08	
		5.7	1850	17 47 12.75	303.78	50.46	293.56	10.22	
335	*ε* Geminorum	3.0	1755	+ 25 16 27.38	— 253.08	— 53.57	— 251.87	+ 1.21	
		3.3	1850	25 20 51.96	303.86	53.33	302.52	1.34	
336	28 Geminorum	6.0	1755	+ 29 11 31.67	— 258.24	— 55.02	— 255.12	— 3.12	
		6.0	1850	29 7 1.56	310.38	54.74	307.28	3.10	
337	*α* Canis Majoris	1.0	1755	— 16 23 53.31	— 420.92	— 37.56	— 299.62	—121.30	
		1.0	1850	16 30 51.11	456.54	37.44	335.67	120.87	
			1900	16 34 44.06	475.24	37.37	354.58	120.66	
338	33 Geminorum	6.0	1755	+ 16 27 23.22	— 310.14	— 49.67	— 311.47	+ 1.33	
		6.0	1850	16 22 6.21	357.20	49.42	358.58	1.38	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
339	*d* Geminorum	1755	5	6 36 51.365	+ 360.348	— 0.307	+ 360.409	— 0.061	
		1850	7	6 42 33.547	360.025	0.374	360.092	0.067	
340	37 Geminorum	1755	5	6 40 13.831	+ 369.966	— 0.414	+ 370.259	— 0.293	
		1850	7	6 46 5.100	369.536	0.493	369.831	0.295	
341	39 Geminorum	1755	5	6 43 40.456	+ 370.871	— 0.466	+ 372.129	— 1.258	
		1850	7	6 49 32.560	370.390	0.546	371.646	1 256	
342	40 Geminorum	1755	5	6 44 19.393	+ 371.522	— 0.489	+ 371.649	— 0.127	
		1850	7	6 50 12.106	371.020	0.568	371.150	0.130	
343	41 Geminorum	1755	4	6 46 10.536	+ 345.418	— 0.302	+ 345.551	— 0.133	
		1850	3	6 51 38.539	345.106	0.354	345.244	0.138	
344	ε Canis Majoris	1755	5	6 49 0.020	+ 235.590	+ 0.138	+ 235.564	+ 0.026	
		1850	349	6 52 43.891	235.718	0.132	235.691	0.027	
		1900	. .	6 54 41.767	235.784	0.131	235.759	0.025	
345	ω Geminorum	1755	5	6 47 28.157	+ 366.658	— 0.490	+ 366.766	— 0.108	
		1850	16	6 53 16.249	366.158	0.562	366.266	0.108	
346	W 6[h] 1656	1850	. .	6 54 29.7	. . . .	— 0.651	+ 373.534	. . .	
347	ζ Geminorum	1755	5	6 49 33.754	+ 356.880	— 0.431	+ 356.903	— 0.023	
		1850	195	6 55 12.586	356.442	0.492	356.464	0.022	
348	44 Geminorum	1755	5	6 50 32.452	+ 362.302	— 0.491	+ 362.345	— 0.043	
		1850	8	6 56 16.407	361.804	0.558	361.849	0.045	
349	45 Geminorum	1755	5	6 54 18.260	+ 344.922	— 0.394	+ 345.014	— 0.092	
		1850	11	6 59 45.751	344.525	0.442	344.628	0.103	
350	τ Geminorum	1755	5	6 55 31.206	+ 383.562	— 0.790	+ 383.858	— 0.296	
		1850	23	7 1 35.220	382.769	0.881	383.067	0.298	
351	47 Geminorum	1755	5	6 56 9.953	+ 373.700	— 0.684	+ 373.787	— 0 087	
		1850	18	7 2 4.647	373.013	0.762	373.100	0.087	
352	δ Canis Majoris	1755	5	6 58 26.028	+ 243.690	+ 0.116	+ 243.805	— 0.115	+0.003
		1850	129	7 2 17.586	243.801	0.118	243.915	0.114	
		1900	. .	7 4 19.501	243.860	0.117	243.973	0.113	
353	B. A. C. 2347	1755	1	6 57 16.864	+ 343.280	— 0.400	+ 343.476	— 0.196	
		1850	3	7 2 42.792	342.877	0.447	343.057	0.180	
354	48 Geminorum	1755	5	6 57 31.970	+ 365.960	— 0.620	+ 366.081	— 0.121	
		1850	15	7 3 19.342	365.338	0.690	365.463	0.125	
355	49 Geminorum	1755	3	6 57 44.032	+ 370.437	— 0.674	+ 370.550	— 0.113	
		1850	6	7 3 35.632	369.762	0.748	369.883	0.121	
356	50 Geminorum	1755	. .	6 58 49.137	+ 343.015	— 0.404	+ 343.034	— 0.019	
		1850	3	7 4 14.812	342.609	0.451	342.626	0.017	
357	51 Geminorum	1755	4	6 59 17.445	+ 345.350	— 0.438	+ 345.425	— 0.075	
		1850	71	7 4 45.323	344.911	0.486	344.990	0.079	
358	B. A. C. 2363	1755	1	6 59 28.828	+ 367.061	— 0.658	+ 367.583	— 0.522	
		1850	9	7 5 17.228	366.404	0.727	366.911	0.507	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
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339	d Geminorum	6.5	1755	+ 22 1 31.53	— 326.25	— 51.74	— 321.28	— 4.97	
		6.0	1850	21 55 58.30	375.26	51.45	370.31	4.95	
340	37 Geminorum	6.0	1755	+ 25 39 25.48	— 350.55	— 52.95	— 350.41	— 0.14	
		6.3	1850	25 33 28.61	400.69	52.61	400.59	0.10	
341	39 Geminorum	6.5	1755	+ 26 22 40.56	— 373.15	— 52.78	— 380.06	+ 6.91	
		6.3	1850	26 16 22.31	423.11	52.41	430.19	7.08	
342	40 Geminorum	6.5	1755	+ 26 13 17.91	— 388.46	— 53.00	— 385.63	— 2.83	
		6.3	1850	26 6 45.02	438.63	52.63	435.81	2.82	
343	41 Geminorum	7.0	1755	+ 16 23 36.31	— 401.73	— 49.18	— 401.53	— 0.20	
		6.0	1850	16 16 52.53	448.30	48.86	448.12	0.18	
344	ε Canis Majoris	2.5	1755	— 28 39 15.70	— 427.01	— 33.41	— 425.73	— 1.28	0.00
		1.8	1850	28 46 16.42	458.69	33.27	457.41	1.28	
			1900	28 50 9.92	475.31	33.21	474.03	1.28	
345	ω Geminorum	6.0	1755	+ 24 32 24.26	— 414.66	— 52.27	— 412.60	— 2.06	
		5.7	1850	24 25 26.82	464.14	51.92	462.00	2.14	
346	W 6^h 1656	8.2	1850	+ 27 3 3.9	. . . .	— 52.76	— 472.42	. . . .	
347	ζ Geminorum	4.0	1755	+ 20 54 20.90	— 432.33	— 50.78	— 430.54	— 1.79	
		4.0	1850	20 47 7.36	480.34	50.33	478.50	1.84	
348	44 Geminorum	6.5	1755	+ 22 58 46.56	— 440.49	— 51.38	— 438.90	— 1.59	
		6.0	1850	22 51 24.95	489.16	50.98	487.53	1.63	
349	45 Geminorum	6.0	1755	+ 16 17 55.79	— 482.32	— 48.69	— 470.99	— 11.33	
		5.7	1850	16 9 55.67	528.40	48.32	517.09	11.31	
350	τ Geminorum	5.0	1755	+ 30 37 15.08	— 486.78	— 54.07	— 481.33	— 5.45	
		4.7	1850	30 29 8.32	537.91	53.56	532.50	5.41	
351	47 Geminorum	6.0	1755	+ 27 14 3.02	— 491.63	— 52.75	— 486.82	— 4.81	
		6.0	1850	27 5 52.24	541.52	52.25	536.63	4.89	
352	δ Canis Majoris	. .	1755	— 26 1 15.07	— 505.17	— 34.15	— 506.10	+ 0.93	0.00
		2.1	1850	26 9 30.36	537.53	33.97	538.46	0.93	
			1900	26 14 3.37	554.49	33.89	555.42	0.93	
353	B. A. C. 2347	. .	1755	+ 15 42 46.01	— 500.28	— 48.29	— 496.21	— 4.07	
		7.3	1850	15 34 29.02	545.97	47.90	542.00	3.97	
354	48 Geminorum	6.0	1755	+ 24 30 48.75	— 503.15	— 51.63	— 498.42	— 4.73	
		6.0	1850	24 22 27.55	551.97	51.16	547.12	4.85	
355	49 Geminorum	8.0	1755	+ 26 8 0.01	— 504.68	— 52.10	— 500.14	— 4.54	
		7.2	1850	25 59 37.13	553.95	51.62	549.39	4.56	
356	50 Geminorum	7.5	1755	+ 15 33 55.03	— 508.79	— 48.13	— 509.28	+ 0.49	
		7.5	1850	15 25 30.00	554.37	47.79	554.95	0.58	
357	51 Geminorum	5.0	1755	+ 16 33 4.80	— 517.93	— 48.47	— 513.28	— 4.65	
		5.7	1850	16 24 30.95	563.79	48.07	559.19	4.60	
358	B. A. C. 2363	. .	1755	. . . . .	. . . .	— 51.46	— 514.91	. . .	
		7.3	1850	+ 24 57 40.8	. . . .	50.99	563.40	. . .	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
359	52 Geminorum	1755	4	6 59 41.611	+ 368.476	— 0.701	+ 368.056	+ 0.420	
		1850	15	7 5 31.338	367.781	0.763	367.378	0.403	
360	53 Geminorum	1755	5	7 0 37.704	+ 376.334	— 0.782	+ 376.510	— 0.176	
		1850	10	7 6 34.857	375.553	0.861	375.733	0.180	
361	λ Geminorum	1755	5	7 3 59.809	+ 345.908	— 0.490	+ 346.207	— 0.299	
		1850	86	7 9 28.194	345.423	0.533	345.722	0.299	
362	δ Geminorum	1755	5	7 5 28.210	+ 359.725	— 0.653	+ 359.922	— 0.197	
		1850	619	7 11 9.646	359.079	0.710	359.271	0.192	
		1900	. .	7 14 9.096	358.717	0.739	358.910	0.193	
363	56 Geminorum	1755	5	7 7 28.291	+ 355.352	— 0.629	+ 355.831	— 0.479	
		1850	11	7 13 5.584	354.729	0.684	355.208	0.479	
364	A Geminorum	1755	5	7 8 30.944	+ 367.405	— 0.792	+ 367.960	— 0.555	
		1850	6	7 14 19.610	366.620	0.859	367.178	0.558	
365	58 Geminorum	1755	2	7 8 43.577	+ 361.984	— 0.725	+ 362.279	— 0.295	
		1850	3	7 14 27.126	361.266	0.787	361.564	0.298	
366	Piazzi VII 67	1755	. .	7 5 8.40	+ 640.44	— 7.23	+ 640.16	+ 0.28	
		1800	. .	7 9 55.84	637.09	7.66	636.82	0.27	
		1850	. .	7 15 13.39	633.14	8.12	632.88	0.26	
		1900	. .	7 20 28.93	628.96	8.58	628.73	0.23	
367	59 Geminorum	1755	5	7 9 17.146	+ 375.181	— 0.890	+ 375.140	+ 0.041	
		1850	14	7 15 13.155	374.299	0.967	374.257	0.042	
368	ε Geminorum	1755	5	7 10 38.828	+ 374.627	— 0.928	+ 375.526	— 0.899	
		1850	48	7 16 24.294	373.710	1.003	374.615	0.905	
369	61 Geminorum	1755	5	7 12 28.753	+ 354.969	— 0.680	+ 355.094	— 0.125	
		1850	3	7 18 5.658	354.298	0.732	354.426	0.128	
370	63 Geminorum	1755	5	7 13 10.394	+ 357.728	— 0.734	+ 358.108	— 0.380	
		1850	29	7 18 49.896	357.004	0.791	357.389	0.385	
371	b^1 Geminorum	1755	5	7 14 2.881	+ 375.840	— 0.990	+ 376.149	— 0.309	
		1850	6	7 19 59.471	374.865	1.063	375.179	0.314	
372	b^2 Geminorum	1755	7	7 14 32.521	+ 375.341	— 0.982	+ 375.520	— 0.179	
		1850	9	7 20 28.641	374.373	1.056	374.555	0.182	
373	B. A. C. 2472	1850	7	7 21 19.638	+ 374.243	— 1.070	+ 374.466	— 0.223	
374	W 7^h 685	1850	.	7 23 9.4	. . . .	— 0.676	+ 346.354	. . .	
375	67 Geminorum	1755	. .	7 19 25.779	+ 342.973	— 0.605	+ 343.408	— 0.435	
		1850	4	7 24 51.324	342.379	0.645	342.818	0.439	
376	a^2 Geminorum	1755		7 18 55.563	+ 385.577	— 1.236	+ 386.899	— 1.322	—0.003
		1850	623	7 25 1.292	384.367	1.321	385.692	1.325	
		1900	. .	7 28 13.309	383.696	1.363	385.023	1.327	
377	68 Geminorum	1755	1	7 19 36.343	+ 343.768	— 0.606	+ 343.848	— 0.080	
		1850	43	7 25 2.643	343.173	0.646	343.248	0.075	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
359	52 Geminorum	7.0	1755	+ 25 17 9.51	— 527.42	— 51.73	— 516.71	—10.71	
		6.3	1850	25 8 25.17	576.40	51.41	565.62	10.78	
360	53 Geminorum	6.0	1755	+ 28 17 55.07	— 526.83	— 52.74	— 524.62	— 2.21	
		6.3	1850	28 9 10.87	576.68	52.22	574.50	2.18	
361	λ Geminorum	4.5	1755	+ 16 57 34.47	— 558.18	— 48.37	— 553.00	— 5.18	
		4.0	1850	16 48 22.44	603.91	47.93	598.70	5.21	
362	δ Geminorum	3.5	1755	+ 22 24 33.97	— 567.01	— 50.16	— 565.37	— 1.64	
		3.3	1850	22 15 12.75	614.41	49.62	612.78	1.63	
			1900	22 9 59.35	639.15	49.34	637.52	— 1.63	
363	56 Geminorum	5.5	1755	+ 20 52 55.78	— 584.19	— 49.48	— 582.15	— 2.04	
		5.7	1850	20 43 18.53	630.98	49.05	628.86	2.12	
364	A Geminorum	6.0	1755	+ 25 29 48.75	— 594.58	— 50.89	— 590.95	— 3.63	
		5.7	1850	25 20 1.02	642.66	50.34	639.10	3.56	
365	58 Geminorum	7.0	1755	+ 23 23 34.86	— 597.21	— 50.15	— 592.71	— 4.50	
		6.3	1850	23 13 44.96	644.61	49.63	640.14	4.47	
366	Piazzi VII 67		1755	+ 68 55 26.43	— 566.35	— 89.48	— 562.64	— 3.71	
			1800	68 51 2.58	606.38	88.42	602.66	3.72	
		5.5	1850	68 45 48.39	650.28	87.19	646.54	3.74	
			1900	68 40 12.41	693.54	85.88	689.78	3.76	
367	59 Geminorum	6.5	1755	+ 28 5 10.75	— 595.94	— 52.00	— 597.41	+ 1.47	
		6.9	1850	27 55 21.23	645.06	51.42	646.50	1.44	
368	ι Geminorum	4.0	1755	+ 28 15 36.46	— 616.35	— 51.70	— 607.36	— 8.99	
		4.0	1850	28 5 27.70	665.18	51.11	656.31	8.87	
369	61 Geminorum	7.5	1755	+ 20 43 25.67	— 626.54	— 48.93	— 624.02	— 2.52	
		6.0	1850	20 33 8.45	672.78	48.41	670.30	2.48	
370	63 Geminorum	6.0	1755	+ 21 55 21.19	— 641.77	— 49.30	— 629.80	—11.97	
		5.7	1850	21 44 49.33	688.37	48.80	676.36	12.01	
371	b^1 Geminorum	5.5	1755	+ 28 35 54.59	— 643.50	— 51.67	— 637.06	— 6.44	
		5.3	1850	28 25 20.04	692.29	51.05	685.87	6.42	
372	b^2 Geminorum	5.5	1755	+ 28 23 48.60	— 644.05	— 51.58	— 641.16	— 2.89	
		6.3	1850	28 13 13.57	692.76	50.96	689.90	2.86	
373	B. A. C. 2472	8.0	1850	+ 28 13 0.90	— 701.88	— 50.86	— 696.88	— 5.00	
374	W 7^h 685	6.2	1850	+ 17 24 4.4	- - - - -	— 46.93	— 711.85	- - -	
375	67 Geminorum	7.0	1755	+ 16 8 32.36	— 682.92	— 46.70	— 681.47	— 1.45	
		7.5	1850	15 57 22.59	727.05	46.19	725.75	1.30	
376	c^2 Geminorum	- -	1755	+ 32 23 57.98	— 685.44	— 52.48	— 677.37	— 8.07	+ 0.20
		1.7	1850	32 12 43.25	734.94	51.72	727.06	7.88	
			1900	32 6 29.33	760.70	51.32	752.92	7.78	
377	68 Geminorum	5.0	1755	+ 16 19 53.01	— 685.56	— 46.93	— 682.98	— 2.58	
		5.7	1850	16 8 40.65	729.87	46.36	727.30	2.57	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s*	*s.*	*s.*
378	*v* Geminorum . .	1755	5	7 20 47.574	+ 371.927	— 1.038	+ 372.114	— 0.187	
		1850	42	7 26 40 426	370.910	1.105	371.105	0.195	
379	*f* Geminorum . .	1755	5	7 25 18.433	+ 347.878	— 0.722	+ 347.988	— 0.110	
		1850	28	7 30 48.584	347.172	0.764	347.284	0.112	
380	*a* Canis Minoris . .	1755	- -	7 26 27.780	+ 315.045	— 0.506	+ 319.701	— 4.656	—0.061
		1850	- -	7 31 26.842	314.556	0.525	319.267	4.711	
		1900	- -	7 34 4.054	314.291	0.535	319.038	4.747	
381	*σ* Geminorum . .	1755	5	7 27 57.693	+ 377.578	— 1.250	+ 377.033	+ 0.545	
		1850	5	7 33 55.818	376.358	1.318	375.832	0.526	
382	*c* Geminorum . .	1755	5	7 29 8.436	+ 368.077	— 1.071	+ 368.287	— 0.210	
		1850	13	7 34 57.615	367.026	1.141	367.233	0.207	
383	*κ* Geminorum . .	1755	5	7 29 37.531	+ 364.330	— 1.030	+ 364.563	— 0.233	
		1850	104	7 35 23.171	363.323	1.090	363.564	0.241	
384	*β* Geminorum . .	1755	- -	7 30 17.274	+ 369.577	— 1.186	+ 374.327	— 4.750	+0.007
		1850	- -	7 36 7.828	368.420	1.247	373.159	4.739	
		1900	- -	7 39 11.881	367.789	1.278	372.525	4.736	
385	79 Geminorum . .	1755	1	7 30 45.119	+ 353.677	— 0.864	+ 354.077	— 0.400	
		1850	6	7 36 20.714	352.834	0.910	353.233	0.399	
386	*g* Geminorum . .	1755	5	7 31 54.863	+ 349.055	— 0.816	+ 349.606	— 0.551	
		1850	32	7 37 26.092	348.262	0.855	348.813	0.551	
387	82 Geminorum . .	1755	5	7 33 52.920	+ 360.671	— 1.013	+ 360.917	— 0.246	
		1850	11	7 39 35.093	359.685	1.063	359.935	0.250	
388	84 Geminorum . .	1755	2	7 38 26.091	+ 358.438	— 1.028	+ 358.473	— 0.035	
		1850	7	7 44 6.136	357.440	1.074	357.480	0.040	
389	*φ* Geminorum . .	1755	5	7 38 27.370	+ 369.709	— 1.240	+ 369.971	— 0.262	—0.001
		1850	118	7 44 18.626	368.505	1.295	368.765	0.260	
		1900	- -	7 47 22.716	367.851	1.322	368.112	0.261	
390	85 Geminorum . .	1755	5	7 41 20.379	+ 352.011	— 0.956	+ 352.219	— 0.208	
		1850	11	7 46 54.351	351.080	0.997	351 293	0.213	
391	1 Cancri	1755	5	7 43 3.418	+ 342.292	— 0.810	+ 342.504	— 0.212	
		1850	22	7 48 28.224	341.507	0.842	341.722	0.215	
392	ω^1 Cancri	1755	5	7 46 4.341	+ 365.468	— 1.271	+ 365.480	— 0.012	
		1850	10	7 51 50.956	364.246	1.301	364.264	0.018	
393	B. A. C. 2658 .	1755	- -	7 46 31.848	+ 347.923	— 0.929	+ 347.924	— 0.001	
		1850	7	7 52 1.950	347.025	0.962	347.025	0.000	
394	3 Cancri	1755	1	7 46 43.379	+ 345.594	— 0.896	+ 345.738	— 0 144	
		1850	19	7 52 11.284	344.729	0.926	344.873	0.144	
395	ω^2 Cancri	1755	- -	7 46 54.835	+ 364.449	— 1.246	+ 364.598	— 0.149	
		1850	5	7 52 40.492	363.243	1.292	363.392	0.149	
396	5 Cancri	1755	3	7 47 30.793	+ 343.835	— 0.862	+ 343.723	+ 0.112	
		1850	21	7 52 57.043	343 002	0.892	342.895	0.105	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
378	υ Geminorum	5.0	1755	+ 27 24 58.63	— 704.39	— 50.60	— 692.77	—11.62	
		4.3	1850	27 13 26.72	752.15	49.94	740.56	11.59	
379	f Geminorum	6.0	1755	+ 18 12 34.82	— 728.98	— 47.11	— 729.72	+ 0.74	
		6.0	1850	18 0 41.11	773.46	46.54	774.07	0.61	
380	α Canis Minoris	1.5	1755	+ 5 49 59.53	— 843.64	— 41.76	— 739.13	—104.51	
		1.0	1850	5 36 19.30	883.10	41.32	779.20	103.90	
			1900	5 28 52.59	903.70	41 07	799.88	103.82	
381	σ Geminorum	6.0	1755	+ 29 27 8.77	— 775.04	— 50.82	— 751.32	—23.72	
		5.0	1850	29 14 29.67	822.97	50.08	799.19	23.78	
382	c Geminorum	6.0	1755	+ 26 20 40.12	— 765.07	— 49.38	— 760.85	— 4.22	
		6.0	1850	26 8 11.10	811.73	48.85	807.44	4.29	
383	κ Geminorum	4.0	1755	+ 24 57 44.70	— 771.08	— 48.84	— 764.79	— 6.29	
		3.7	1850	24 45 10 23	817.17	48.18	810.86	6.31	
384	β Geminorum	2.0	1755	+ 28 35 41.15	— 776.67	— 48.85	— 770.18	— 6.49	+ 0.62
		1.3	1850	28 23 1.38	822.73	48.10	816.81	5.92	
			1900	28 16 4.02	846.67	47.70	841.07	5.60	
385	79 Geminorum	7.0	1755	+ 20 52 53.72	— 772.98	— 47.22	— 773.91	+ 0.93	
		6.3	1850	20 40 18.17	817.54	46.59	818.54	1.00	
386	g Geminorum	6.0	1755	+ 19 5 7.52	— 789.10	— 46.56	— 783.30	— 5.80	
		5.3	1850	18 52 16.96	833.06	45.98	827.22	5.84	
387	82 Geminorum	7.0	1755	+ 23 43 26.91	— 799.00	— 47.88	— 799.13	+ 0.13	
		6.3	1850	23 30 26.36	844.16	47.20	844.33	0.17	
388	84 Geminorum	7.5	1755	+ 22 56 31.55	— 836.52	— 47.18	— 835.54	— 0.98	
		6.8	1850	22 42 55.68	881.00	46.47	880.05	0.95	
389	ϕ Geminorum	5.0	1755	+ 27 22 35.43	— 838.21	— 48.73	— 835.74	— 2.47	+ 0.01
		5.0	1850	27 8 57.26	884.11	47.92	881.65	2.46	
			1900	27 1 29.23	907.97	47.50	905.51	2.46	
390	85 Geminorum	6.5	1755	+ 20 30 31.40	— 861.91	— 36.10	— 858.60	— 3.31	
		6.0	1850	20 16 31.89	905.37	45.41	902.00	3.37	
391	1 Cancri	6.0	1755	+ 16 25 25.12	— 877.02	— 44.56	— 872.15	— 4.87	
		6.3	1850	16 11 11.94	919.05	43.92	914.21	4.84	
392	ω^1 Cancri	6.0	1755	+ 26 2 28.01	— 895.37	— 47.43	— 895.81	+ 0.44	
		6.0	1850	25 47 56.14	940.03	46.58	940.43	0.40	
393	B. A. C. 2658	7.5	1755	+ 18 53 42.15	— 899.16	— 44.98	— 899.44	+ 0.28	
		7.2	1850	18 39 7.76	941.56	44.29	941.90	0.34	
394	3 Cancri	6.0	1755	+ 17 57 33.63	— 903.26	— 44.64	— 900.94	— 2.32	
		6.0	1850	17 42 55.49	945.34	43.96	943.05	2.29	
395	ω^2 Cancri	6.5	1755	+ 25 44 29.80	— 901.94	— 47.08	— 902.43	+ 0.49	
		6.3	1850	25 29 51.84	946.29	46.29	946.81	0.52	
396	5 Cancri	6.0	1755	+ 17 6 35.16	— 908.69	— 44.39	— 907.10	— 1.59	
		6.3	1850	16 51 51.97	950.56	43.75	948.92	1.64	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. m. s.	*s.*	*s.*	*s.*	*s.*	*s*
397	6 Cancri	1755	5	7 48 25.691	+ 371.395	— 1.421	+ 371.536	— 0.141	
		1850	156	7 54 17.868	370.021	1.471	370.166	0.145	
398	7 Cancri	1755	5	7 49 20.798	+ 356.371	— 1.122	+ 356.788	— 0.417	
		1850	3	7 54 58.839	355.287	1.161	355.707	0.420	
399	8 Cancri	1755	5	7 51 24.176	+ 335.887	— 0.776	+ 336.036	— 0.149	
		1850	16	7 56 42.915	335.139	0.799	335.294	0.155	
400	μ^1 Cancri	1755	5	7 51 45.421	+ 357.719	— 1.176	+ 357.922	— 0.203	
		1850	9	7 57 24.717	356.584	1.215	356.790	0.206	
401	B. A. C. 2703 . .	1755	1	7 52 4.808	+ 356.307	— 1.167	+ 357.460	— 1.153	
		1850	8	7 57 42.767	355.180	1.205	356.331	1.151	
402	3 (H) Ursæ Majoris.	1755	. .	7 48 4.57	+ 620.59	—11.31	+ 620.02	+ 0.57	
		1800	. .	7 52 42.68	615.43	11.56	614.87	0.56	
		1850	. .	7 57 48.94	609.59	11.80	609.03	0.56	
		1900	. .	8 2 52.26	603.63	12.02	603.08	0.55	
403	μ^2 Cancri	1755	5	7 53 18.806	+ 355.364	— 1.142	+ 355.220	+ 0.144	
		1850	20	7 58 55.880	354.263	1.176	354.115	0.148	
404	11 Cancri	1755	4	7 53 48.010	+ 369.874	— 1.461	+ 369.981	— 0.107	
		1850	3	7 59 38.725	368.464	1.508	368.574	0.110	
405	12 Cancri	1755	5	7 54 59.410	+ 337.024	— 0.812	+ 336.963	+ 0.061	
		1850	24	8 0 19.212	336.242	0.835	336.182	0.060	
406	ψ^1 Cancri	1755	5	7 55 22.390	+ 365.204	— 1.385	+ 365.525	— 0.321	
		1850	3	8 1 8.702	363.868	1.427	364.195	0.327	
407	15 Argus	1755	5	7 57 6.810	+ 255.314	+ 0.091	+ 255.989	— 0.675	+0.004
		1850	207	8 1 9.400	255.404	0.098	256.074	0.670	
		1900	. .	8 3 17.114	255.454	0.102	256.123	0.669	
408	ψ^2 Cancri	1755	5	7 55 39.435	+ 364 090	— 1.413	+ 364.686	— 0.596	
		1850	32	8 1 24.678	362.730	1.452	363.350	0.620	
409	ζ^1 Cancri	1755	5	7 58 7.990	+ 346.033	— 1.015	+ 345.635	+ 0.398	
		1850	64	8 3 36.259	345.055	1.038	344.674	0.381	
410	χ Cancri	1755	5	8 5 8.161	+ 367.627	— 1.621	+ 367.753	— 0.126	
		1850	11	8 10 56.670	366.070	1.657	366.224	0.154	
411	B. A. C. 2788 . .	1850	13	8 11 35.620	+ 351.121	— 1.239	+ 350.763	+ 0.358	
412	λ Cancri	1755	5	8 5 55.702	+ 359.486	— 1.380	+ 359.642	— 0.156	
		1850	45	8 11 36.587	358.160	1.413	358.313	0.153	
413	d^1 Cancri	1755	5	8 9 18.295	+ 345.652	— 1.112	+ 346.135	— 0.483	
		1850	82	8 14 46.161	344.588	1.130	345.070	0.482	
414	21 Cancri	1755	5	8 10 29.932	+ 329.668	— 0.786	+ 329.718	— 0.050	
		1850	8	8 15 42.760	328.916	0.798	328.969	0.053	
415	B. A. C. 2810 . .	1755	1	8 10 47.088	+ 343.437	— 1.079	+ 343.492	— 0.055	
		1850	3	8 16 12.863	342.403	1.098	342.462	0.059	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
397	6 Cancri	5.5	1755	+ 28 27 31.98	— 919.66	— 47.82	— 914.26	— 5.40	
		5.4	1850	28 12 36.86	964.68	46.97	959.28	5.40	
398	7 Cancri	7.5	1755	+ 22 44 9.29	— 922.18	— 45.74	— 921.40	— 0.78	
		6.3	1850	22 29 12.70	965.27	44.97	964.54	0.73	
399	8 Cancri	6.0	1755	+ 13 47 47.45	— 945.40	— 42.90	— 937.36	— 8.04	
		6.0	1850	13 32 30.06	985.84	42.25	977.82	8.02	
400	μ^1 Cancri	6.0	1755	+ 23 18 49.53	— 942.66	— 45.67	— 940.11	— 2.55	
		6.3	1850	23 3 33.51	985.68	44.89	983.12	2.56	
401	B. A. C. 2703	7.8	1755	+ 23 8 19.01	— 945.93	— 45.33	— 942.58	— 3 35	
		7.5	1850	22 53 0.03	988.63	44.56	985.36	3.27	
402	3 (H) Ursæ Majoris		1755	+ 69 9 30.51	— 911.22	— 80.33	— 911.51	+ 0.29	
			1800	69 2 32.39	947.03	78.80	947.29	0.26	
		5.3	1850	68 54 29.10	986.00	77.08	986.22	0.22	
			1900	68 46 6.54	1024.10	75.32	1024.28	0.18	
403	μ^2 Cancri	6.5	1755	+ 22 16 18.61	— 959.82	— 45.33	— 952.12	— 7.70	
		5.7	1850	22 0 46.46	1002.51	44.55	994.71	7.80	
404	11 Cancri	7.0	1755	+ 28 10 17.85	— 960.19	— 47.02	— 955.86	— 4.33	
		7.0	1850	27 54 44.60	1004.44	46.15	1000.13	4.31	
405	12 Cancri	6.0	1755	+ 14 20 1.83	— 966.76	— 42.70	— 965.02	— 1.74	
		6.3	1850	14 4 24.24	1007.00	42.02	1005.24	1.76	
406	ψ^1 Cancri	7.5	1755	+ 26 32 37.92	— 973.91	— 46.21	— 967.96	— 5.95	
		6.8	1850	26 16 51.98	1017.41	45.36	1011.48	5.93	
407	15 Argus	3.5	1755	— 23 36 47.59	— 976.82	— 31.99	— 981.26	+ 4.44	+ 0.09
		3.2	1850	23 52 29.96	1007.05	31.62	1011.57	4.52	
			1900	24 0 57.43	1022.83	31.48	1027.39	4.56	
408	ψ^2 Cancri	7.5	1755	+ 26 13 46.22	— 1006.85	— 45.99	— 970.13	—36.72	
		5.7	1850	25 57 29.09	1050.14	45.15	1013.50	36.64	
409	ζ^1 Cancri	6.0	1755	+ 18 21 54.76	— 1002.36	— 43.61	— 988.90	—13.46	
		4.7	1850	18 5 42.94	1043.45	42.91	1030.02	13.43	
410	χ Cancri	6.0	1755	+ 27 59 23.16	— 1080.13	— 45.53	— 1041.88	—38.25	
		5.3	1850	27 41 56.63	1122.94	44.61	1084.60	38.34	
411	B. A. C. 2788	6.0	1850	+ 21 13 0.17	— 1094.62	— 42.58	— 1089.39	— 5.23	
412	λ Cancri	6.0	1755	+ 24 46 25.00	— 1052.23	— 44.29	— 1047.87	— 4.36	
		5.7	1850	24 29 25.52	1093.89	43.42	1089.45	4.44	
413	d^1 Cancri	6.0	1755	+ 19 5 55.41	— 1075.42	— 42.21	— 1072.90	— 2.52	
		6.0	1850	18 48 34.86	1115.13	41.40	1112.60	2.53	
414	21 Cancri	7.0	1755	+ 11 24 10.12	— 1084.68	— 40.03	— 1081.75	— 2.93	
		6.3	1850	11 6 41.72	1122.38	39.32	1119.45	2.93	
415	B. A. C. 2810	7.5	1755	+ 17 57 43.97	— 1096.07	— 41.68	— 1083.84	—12.23	
		7.0	1850	17 40 4.02	1135.29	40.89	1123.13	12.16	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
416	d^2 Cancri	1755	5	8 11 55.965	+ 341.701	— 1.080	+ 343.094	— 1.393	
		1850	18	8 17 20.090	340.664	1.104	342.068	1.404	
417	ϕ^2 Cancri (mean)	1755	2	8 11 55.676	+ 365.805	— 1.612	+ 365.943	— 0.138	
		1850	35	8 17 42.457	364.258	1.644	364.398	0.140	
418	v^1 Cancri	1755	3	8 12 3.061	+ 359.611	— 1.473	+ 360.065	— 0.454	
		1850	12	8 17 44.022	358.198	1.501	358.652	0.454	
419	27 Cancri	1755	5	8 13 9.476	+ 333.534	— 0.892	+ 333.727	— 0.193	
		1850	6	8 18 25.929	332.680	0.906	332.880	0.200	
420	v^2 Cancri	1755	5	8 14 2.781	+ 358.499	— 1.465	+ 358.856	— 0.357	
		1850	9	8 19 42.690	357.095	1.492	357.456	0.361	
421	29 Cancri	1755	5	8 14 55.480	+ 336.606	— 0.963	+ 336.810	— 0.204	
		1850	36	8 20 14.819	335.685	0.976	335.897	0.212	
422	v^3 Cancri	1755	5	8 16 58.805	+ 357.641	— 1.483	+ 358.294	— 0.653	
		1850	16	8 22 37.891	356.221	1.507	356.875	0.654	
423	θ Cancri	1755	5	8 17 35.687	+ 344.291	— 1.158	+ 344.793	— 0.502	
		1850	43	8 23 2.239	343.182	1.176	343.685	0.503	
424	η Cancri	1755	3	8 18 30.151	+ 349.573	+ 1.286	+ 349.809	— 0.236	
		1850	221	8 24 1.661	348.344	1.303	348.583	0.239	
		1900	. .	8 26 55.670	347.690	1.313	347.931	0.241	
425	v^4 Cancri	1755	5	8 18 28.728	+ 357.457	— 1.493	+ 358.099	— 0.642	
		1850	12	8 24 7.635	356.028	1.516	356.661	0.633	
426	35 Cancri	1755	5	8 21 12.435	+ 347.183	— 1.252	+ 347.624	— 0.441	
		1850	7	8 26 41.691	345.986	1.269	346.422	0.436	
427	B. A. C. 2899	1850	3	8 29 10.498	+ 344.820	— 1.259	+ 345.443	— 0.623	
428	B. A. C. 2907	1850	4	8 30 31.989	+ 346.198	— 1.297	+ 345.958	+ 0.240	
429	38 Cancri	1755	. .	8 25 35.962	+ 347.205	— 1.288	+ 347.514	— 0.309	
		1850	5	8 31 5.224	345.975	1.303	346.279	0.304	
430	B. A. C. 2914	1850	5	8 31 13.898	+ 345.733	— 1.298	+ 345.777	— 0.044	
431	39 Cancri	1755	1	8 25 58.875	+ 347.445	— 1.305	+ 347.958	— 0.513	
		1850	25	8 31 28.357	346.199	1.320	346.712	0.513	
432	40 Cancri	1755	1	8 26 3.979	+ 347.481	— 1.303	+ 347.868	— 0.387	
		1850	23	8 31 33.495	346.236	1.317	346.624	0.388	
433	B. A. C. 2919	1755	. .	8 26 16.031	+ 346.943	— 1.293	+ 347.202	— 0.259	
		1850	3	8 31 45.041	345.708	1.307	345.966	0.258	
434	ε Cancri	1755	. .	8 26 21.943	+ 346.366	— 1.282	+ 346.921	— 0.555	
		1850	7	8 31 50.409	345.141	1.296	345.694	0.553	
435	e Cancri	1755	. .	8 26 36.651	+ 347.361	— 1.296	+ 347.267	+ 0.094	
		1850	12	8 32 6.057	346.123	1.310	346.025	0.098	
436	B. A. C. 2925	1755	. .	8 26 51.241	+ 346.321	— 1.288	+ 346.938	— 0.617	
		1850	7	8 32 19.663	345 091	1.302	345.706	0.615	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
416	d^2 Cancri	6.0	1755	+ 17 50 1.39	— 1107.09	— 41.25	— 1092.29	—14.80	
		6.0	1850	17 32 11.18	1145.88	40.42	1131.21	14.67	
417	φ^2 Cancri (mean)	6.0	1755	+ 27 42 54.08	— 1093.62	— 44.28	— 1092.25	— 1.37	
		5.7	1850	27 25 15.31	1135.23	43.33	1133.90	1.33	
418	v^1 Cancri (1st star)	7.5	1755	+ 25 19 10.41	— 1102.87	— 43.46	— 1093.17	— 9.70	
		6.0	1850	25 1 23.20	1143.73	42.56	1134.09	9.64	
419	27 Cancri	6.5	1755	+ 13 26 38.74	— 1111.76	— 40.27	— 1101.26	—10.50	
		5.7	1850	13 8 44.51	1149.65	39.50	1139.12	10.53	
420	v^2 Cancri	6.5	1755	+ 24 56 17.85	— 1115.72	— 43.08	— 1107.78	— 7.94	
		5.8	1850	24 38 18.61	1156.22	42.17	1148.32	7.90	
421	29 Cancri	6.0	1755	+ 15 0 11.73	— 1116.61	— 40.43	— 1114.15	— 2.46	
		6.0	1850	14 42 12.81	1154.67	39.67	1152.16	2.51	
422	v^3 Cancri	6.5	1755	+ 24 53 17.53	— 1136.73	— 42.57	— 1129.10	— 7.63	
		6.0	1850	24 34 58.56	1176.77	41.74	1169.18	7.59	
423	θ Cancri	5.5	1755	+ 18 54 12.46	— 1140.32	— 40.99	— 1133.49	— 6.83	
		5.7	1850	18 35 50.79	1178.85	40.13	1172.05	6.80	
424	η Cancri	6.0	1755	+ 21 15 15.14	— 1145.33	— 41.52	— 1140.10	— 5.23	
		5.7	1850	20 56 48.47	1184.38	40.70	1179.08	5.30	
			1900	20 46 51.21	1204.63	40.28	1199.26	5.37	
425	v^4 Cancri	7.5	1755	+ 24 53 55.22	— 1145.55	— 42.35	— 1139.92	— 5.63	
		5.7	1850	24 35 27.98	1185.34	41.42	1179.78	5.56	
426	35 Cancri	8.0	1755	+ 20 24 48.18	— 1160.93	— 40.78	— 1159.50	— 1.43	
		6.3	1850	20 6 7.02	1199.26	39.92	1197.90	1.36	
427	B. A. C. 2899	7.2	1850	+ 19 47 9.67	— 1211.62	— 39.42	— 1215.17	+ 3.55	
428	B. A. C. 2907	8.8	1850	+ 20 6 55.48	— 1227.92	— 39.50	— 1224.69	— 3.23	
429	38 Cancri	7.0	1755	+ 20 37 18.77	— 1189.42	— 40.22	— 1190.65	+ 1.23	
		7.0	1850	20 18 10.81	1227.21	39.33	1228.49	1.28	
430	B. A. C. 2914	7.2	1850	+ 20 3 55.67	— 1233.15	— 39.31	— 1229.49	— 3.66	
431	39 Cancri	6.0	1755	+ 20 51 12.89	— 1194.44	— 40.17	— 1193.38	— 1.06	
		7.0	1850	20 32 0.18	1232.18	39.28	1231.14	1.04	
432	40 Cancri	6.0	1755	+ 20 49 1.40	— 1193.88	— 40.18	— 1193.95	+ 0.07	
		7.3	1850	20 29 49.22	1231.63	39.29	1231.74	0.11	
433	B. A. C. 2919	7.0	1755	+ 20 31 2.33	— 1199.17	— 40.11	— 1195.31	— 3.86	
		7.3	1850	20 11 45.15	1236.85	39.22	1233.12	3.73	
434	ε Cancri	6.5	1755	+ 20 23 32.34	— 1197.43	— 39.99	— 1196.03	— 1.40	
		7.2	1850	20 4 16.87	1235.00	39.10	1233.69	1.31	
435	e Cancri	7.5	1755	+ 20 34 4.74	— 1198.70	— 40.15	— 1197.68	— 1.02	
		7.1	1850	20 14 47.99	1236.42	39.26	1235.50	0.92	
436	B. A. C. 2925	7.5	1755	+ 20 25 49.17	— 1202.63	— 39.91	— 1199.46	— 3.17	
		7.7	1850	20 6 28.79	1240.13	39.02	1237.07	3.06	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var., of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
437	B. A. C. 2931 . .	1755	1	8 27 43.694	+ 347.028	— 1.308	+ 347.463	— 0.435	
		1850	15	8 33 12.778	345.779	1.322	346.208	0.429	
438	γ Cancri	1755	5	8 29 4.085	+ 349.949	— 1.406	+ 350.720	— 0.771	
		1850	146	8 34 35.901	348.609	1.417	349.376	0.767	
439	44 Cancri	1755	1	8 29 10.529	+ 343.404	— 1.224	+ 343.659	— 0.255	
		1850	7	8 34 36.209	342.237	1.233	342.490	0.253	
440	A^1 Cancri	1755	1	8 29 40.566	+ 332.552	— 0.957	+ 332.584	— 0.032	
		1850	12	8 34 56.057	331.640	0.962	331.669	0.029	
441	δ Cancri	1755	5	8 30 43.603	+ 343.389	— 1.262	+ 343.524	— 0.135	
		1850	105	8 36 9.251	342.185	1.272	342.329	0.144	
442	b Cancri	1755	1	8 31 25.628	+ 327.394	— 0.854	+ 327.432	— 0.038	
		1850	3	8 36 36.267	326.583	0.854	326.621	0.038	
443	A^2 Cancri	1755	5	8 33 28.742	+ 330.642	— 0.954	+ 331.193	— 0.551	
		1850	17	8 38 42.422	329.736	0.955	330.288	0.552	
444	ι Hydræ	1755	5	8 33 46.884	+ 319.133	— 0.708	+ 320.418	— 1.285	0.000
		1850	580	8 38 49.741	318.461	0.707	319.747	1.286	
		1900	. .	8 41 28.883	318.107	0.707	319.392	1.285	
445	54 Cancri	1755	3	8 37 20.952	+ 336.226	— 1.110	+ 337.134	— 0.908	
		1850	5	8 42 39.865	335.170	1.113	336.074	0.904	
446	52 Cancri	1755	3	8 37 25.961	+ 338.093	— 1.150	+ 338.407	— 0.314	
		1850	8	8 42 46.630	337.000	1.153	337.315	0.315	
447	60 Cancri	1755	5	8 42 31.242	+ 329.504	— 0.960	+ 329.587	— 0.083	
		1850	18	8 47 43.840	328.594	0.957	328.674	0.080	
448	o^1 Cancri	1755	5	8 43 33.108	+ 336.884	— 1.143	+ 336.464	+ 0.420	
		1850	10	8 48 52.632	335.797	1.145	335.374	0.423	
449	ι Ursæ Majoris . .	1755	3	8 42 18.455	+ 419.299	— 4.430	+ 423.804	— 4.505	+0.004
		1850	322	8 48 54.788	415.085	4.442	419.585	4.500	
		1900	. .	8 52 21.775	412.863	4.446	417.365	4.502	
450	o^2 Cancri	1755	5	8 43 52.369	+ 337.240	— 1.155	+ 336.923	+ 0.317	
		1850	18	8 49 12.228	336.144	1.154	335.822	0.322	
451	ι^2 Cancri	1755	5	8 45 3.649	+ 330.012	— 0.984	+ 329.822	+ 0.190	
		1850	170	8 50 16.716	329.078	0.982	328 890	0.188	
452	68 Cancri	1755	4	8 47 56.526	+ 339.141	— 1.255	+ 339.349	— 0.208	
		1850	7	8 53 18.144	337.949	1.255	338.155	0.206	
453	ν Cancri	1755	3	8 48 21.985	+ 354.055	— 1.721	+ 354.128	— 0.073	
		1850	20	8 53 57.560	352.419	1.724	352.490	0.071	
454	σ^2 Ursæ Majoris . .	1755	4	8 48 27.47	+ 553.61	—13.58	+ 553.84	— 0.24	
		1800	. .	8 52 35.21	547.52	13.52	547.76	0.24	
		1850	. .	8 57 7.28	540.77	13.44	541.02	0.25	
		1900	. .	9 1 35.99	+ 534.07	—13.36	+ 534.34	— 0.27	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
437	B. A. C. 2931 . .	7.0	1755	+ 20 43 41.02	— 1206.56	— 39.91	— 1205.60	— 0.96	
		7.5	1850	20 24 16.91	1244.04	39.00	1243.13	0.91	
438	γ Cancri	5.0	1755	+ 22 19 50.99	— 1219.39	— 40.08	— 1214.94	— 4.45	
		4.3	1850	22 0 14.65	1257.00	39.10	1252.63	4.37	
439	44 Cancri	8.0	1755	+ 19 0 35.71	— 1215.54	— 39.30	— 1215.72	+ 0.18	
		8.3	1850	18 41 3.34	1252.46	38.42	1252.68	0.22	
440	A^1 Cancri	6.5	1755	+ 13 32 30.18	— 1219.80	— 38.03	— 1219.09	— 0.71	
		6.0	1850	13 12 54.34	1255.54	37.22	1254.94	0.60	
441	δ Cancri	4.5	1755	+ 19 2 11.72	— 1249.76	— 39.20	— 1226.49	—23.27	
		4.0	1850	18 42 6.88	1286.57	38.28	1263.24	23.33	
442	b Cancri	6.5	1755	+ 10 57 4.14	— 1232.37	— 37.18	— 1231.36	— 1.01	
		5.7	1850	10 37 16.73	1267.32	36.40	1266.30	1.02	
443	A^2 Cancri	6.0	1755	+ 12 59 29.78	— 1250.80	— 37.25	— 1245.48	— 5.32	
		6.0	1850	12 39 24.84	1285.80	36.43	1280.50	5.30	
444	ε Hydræ	4.0	1755	+ 7 18 2.84	— 1253.07	— 35.82	— 1247.54	— 5.53	+ 0.13
		3.3	1850	6 57 56.37	1286.75	35.06	1281.35	5.40	
			1900	6 47 8.64	1304.17	34.66	1298.83	5.34	
445	54 Cancri	6.5	1755	+ 16 14 30.89	— 1265.85	— 37.29	— 1271.87	+ 6.02	
		6.3	1850	15 54 11.64	1300.87	36.43	1306.98	6.11	
446	52 Cancri	7.5	1755	+ 16 53 39.58	— 1269.15	— 37.55	— 1272.43	+ 3.28	
		8.0	1850	16 33 17.07	1304.41	36.68	1307.74	3.33	
447	60 Cancri	6.0	1755	+ 12 32 43.81	— 1308.32	— 35.97	— 1306.53	— 1.79	
		6.0	1850	12 11 44.80	1342.05	35.07	1340.28	1.77	
448	o^1 Cancri	6.0	1755	+ 16 14 42.59	— 1311.46	— 36.67	— 1313.39	+ 1.93	
		5.7	1850	15 53 40.27	1345.88	35.82	1347.73	1.85	
449	ι Ursæ Majoris . .	3.5	1755	+ 48 59 0.28	— 1331.00	— 45.41	— 1305.14	—25.86	+ 0.48
		3.0	1850	48 37 35.58	1373.37	43.76	1347.97	25.40	
			1900	48 26 3.46	1395.08	42.90	1369.92	25.16	
450	o^2 Cancri	6.0	1755	+ 16 30 17.25	— 1313.23	— 36.66	— 1315.52	+ 2.29	
		6.0	1850	16 9 13.27	1347.62	35.73	1349.85	2.23	
451	ι^2 Cancri . . .	5.0	1755	+ 12 47 23.11	— 1327.39	— 35.71	— 1323.36	— 4.03	
		4.0	1850	12 26 6.08	1360.88	34.82	1356.80	4.08	
452	68 Cancri	7.5	1755	+ 18 1 27.11	— 1341 45	— 36.18	— 1342.21	+ 0.76	
		7.5	1850	17 39 56.55	1375.38	35.25	1376.16	0.78	
453	ν Cancri	6.0	1755	+ 25 23 58.33	— 1346.72	— 37.74	— 1344.96	— 1.76	
		5.3	1850	25 2 22.07	1382.08	36.70	1380.34	1.74	
454	σ^2 Ursæ Majoris . .	. .	1755	+ 68 6 6.39	— 1351.17	— 59.30	— 1345.56	— 5.61	
		5.5	1800	67 55 52.41	1377.49	57.66	1371.90	5.59	
		5.0	1850	67 44 16.53	1405.86	55.85	1400.28	5.58	
			1900	+ 67 32 26.70	— 1433.34	— 54.08	— 1427.74	— 5.60	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
455	71 Cancri	1755	1	8 51 58.401	+ 339.196	— 1.289	+ 339.451	— 0.255	
		1850	3	8 57 20.056	337.973	1.286	338.224	0.251	
456	B. A. C. 3103	1755	1	8 52 29.273	+ 338.883	— 1.277	+ 338.865	+ 0.018	
		1850	3	8 57 50.637	337.672	1.273	337.654	0.018	
457	73 Cancri	1755	. .	8 52 43.781	+ 335.280	— 1.175	+ 335.401	— 0.121	
		1850	7	8 58 1.768	334.166	1.171	334.290	0.124	
458	κ Cancri	1755	5	8 54 26.998	+ 326.851	— 0.946	+ 326.944	— 0.093	
		1850	246	8 59 37.082	325.958	0.936	326.047	0.089	
		1900	. .	9 2 19.944	325.490	0.932	325.579	0.089	
459	78 Cancri	1755	3	8 55 16.090	+ 338.791	— 1.309	+ 339.188	— 0.397	
		1850	5	9 0 37.352	337.551	1.302	337.949	0.398	
460	ξ Cancri	1755	4	8 55 13.796	+ 347.899	— 1.589	+ 348.011	— 0.112	
		1850	16	9 0 43.583	346.390	1.586	346.503	0.113	
461	79 Cancri	1755	5	8 56 13.715	+ 347.741	— 1.591	+ 347.751	— 0.010	
		1850	15	9 1 43.352	346.231	1.587	346.239	0.008	
462	80 Cancri	1755	3	8 58 9.013	+ 339.597	— 1.352	+ 339.884	— 0.287	
		1850	13	9 3 31.021	338.315	1.346	338.604	0.289	
463	π^1 Cancri	1755	4	8 58 51.316	+ 330.426	— 1.143	+ 334.193	— 3.767	
		1850	5	9 4 4.707	329.344	1.136	333.097	3.753	
464	B. A. C. 3138	1755	2	8 59 35.064	+ 345.668	— 1.562	+ 345.815	— 0.147	
		1850	22	9 5 2.745	344.187	1.556	344.337	0.150	
465	π^2 Cancri	1755	5	9 1 40.256	+ 333.581	— 1.184	+ 333.815	— 0.234	
		1850	20	9 6 56.626	332.460	1.175	332.696	0.236	
466	83 Cancri	1755	5	9 5 16.088	+ 337.533	— 1.311	+ 338.321	— 0.788	
		1850	196	9 10 36.145	336.268	1.354	337.033	0.765	
467	ι Argus	1850	. .	9 12 24.47	+ 160.20	— 0.23	+ 161.10	— 0.90	
		1875	. .	9 13 4.51	160.14	0.23	161.04	0.90	
		1900	. .	9 14 24.58	160.09	0.23	160.99	0.90	
468	1 (II) Draconis	1755	. .	8 59 52.86	+1012.49	—88.92	+1013.25	— 0.76	
		1775	. .	9 3 13.57	994.85	87.36	995.62	0.77	
		1800	. .	9 7 19.55	973.23	85.45	974.00	0.77	
		1825	. .	9 11 20.21	952.08	83.50	952.85	0.77	
		1850	. .	9 15 15.63	931.44	81.51	932.21	0.77	
		1875	. .	9 19 5.96	911.29	79.49	912.05	0.77	
		1900	. .	9 22 51.32	+ 891.68	—77.46	+ 892.44	— 0.77	
469	B A. C. 3206	1755	2	9 10 55.549	+ 340.520	— 1.508	+ 341.230	— 0.710	
		1850	10	9 16 18.365	339.094	1.495	339.804	0.710	
470	α Hydræ	1755	10	9 15 32.662	+ 295.116	— 0.168	+ 295.246	— 0.130	+0.002
		1850	. .	9 20 12.950	294.967	0.144	295.096	0.129	
		1900	. .	9 22 40.416	294.898	0.131	295.025	0.127	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
455	71 Cancri	7.5	1755	+ 18 21 1.69	— 1367.99	— 35.58	— 1368.26	+ 0.27	
		8.0	1850	17 59 6.19	1401.34	34.64	1401.60	0.26	
456	B. A. C. 3103	7.5	1755	- - - - - -	- - - -	— 35.50	— 1371.52	- - -	
		7.5	1850	+ 17 42 40.6	- - - -	34.56	1404.82	- - -	
457	73 Cancri	8.0	1755	+ 16 14 15.93	— 1372.84	— 35.06	— 1373.02	+ 0.18	
		8.1	1850	15 52 16.04	1405.72	34.15	1405.97	0.25	
458	κ Cancri	5.5	1755	+ 11 38 17.38	— 1384.44	— 33.88	— 1384.02	— 0.42	+ 0.04
		5.0	1850	11 16 7.00	1416.22	33.01	1415.84	0.38	
			1900	11 4 14.79	1432.60	32.55	1432.24	0.36	
459	78 Cancri	7.0	1755	+ 18 26 43.33	— 1391.67	— 35.02	— 1389.18	— 2.49	
		7.8	1850	18 4 25.58	1424 49	34.07	1422.05	2.44	
460	ξ Cancri	5.5	1755	+ 23 1 10.28	— 1387.91	— 36.02	— 1388.94	+ 1.03	
		5.0	1850	22 38 55.67	1421.64	34.99	1422.69	1.05	
461	79 Cancri	6.0	1755	+ 22 58 28.14	— 1394.85	— 35.86	— 1395.24	+ 0.39	
		6.3	1850	22 36 7.00	1428.43	34.83	1428.83	0.40	
462	80 Cancri	7.5	1755	+ 19 1 53.58	— 1409.52	— 34.68	— 1407.30	— 2.22	
		6.8	1850	18 39 19.01	1442.08	33.87	1439.78	2.30	
463	π^1 Cancri	6.5	1755	+ 15 58 6.44	— 1390.43	— 33.26	— 1411.68	+21.25	
		6.3	1850	15 35 50.65	1421.60	32.36	1443.23	21.63	
464	B. A. C. 3138	6.0	1775	+ 22 16 36.92	— 1420.00	— 35.10	— 1416.20	— 3.80	
		6.3	1850	21 53 52.23	1452.86	34.08	1449.08	3.78	
465	π^2 Cancri	6.0	1755	+ 15 56 30.17	— 1428.90	— 33.52	— 1429.08	+ 0.18	
		6.0	1850	15 33 37.73	1460.30	32.59	1460.51	0.21	
466	83 Cancri	6.0	1755	+ 18 43 44.46	— 1465.53	— 33.30	— 1451.03	—14.50	
		5.7	1850	18 20 17.30	1496.70	32.32	1482.27	14.43	
467	ι Argus	2.5	1850	— 58 38 49.83	— 1493.96	— 14.82	— 1496.77	+ 2.81	
			1875	58 45 3.78	1497.66	14.77	1500.48	2.82	
			1900	58 51 18.65	1501.35	14.71	1504.18	2.83	
468	1 (H) Draconis	- -	1755	+ 82 22 6.86	— 1419.97	—103.96	— 1418.04	— 1.93	
			1775	82 17 20.80	1440.41	100.47	1438.50	1.91	
			1800	82 11 17.61	1465.01	96.40	1463.12	1.89	
			1825	82 5 8.38	1488.63	92.51	1486.76	1.87	
		4.3	1850	81 58 53.38	1511.28	88.74	1509.42	1.86	
			1875	81 52 32.83	1533.00	85.10	1531.16	1.84	
			1900	+ 81 46 6.96	— 1553.83	— 81.52	— 1552.03	— 1.82	
469	B. A. C. 3206	7.0	1755	+ 20 49 54.42	— 1497.25	— 32.70	— 1484.78	—12.47	
		6.3	1850	20 25 57.43	1527.83	31.68	1515.44	12.39	
470	α Hydræ	2.0	1755	— 7 36 34.21	— 1508.67	— 27.66	— 1511.68	+ 3.01	+ 0.01
		2.1	1850	8 0 39.81	1534.61	26.95	1537.63	3.02	
			1900	8 13 30.47	1547.99	26.57	1551.01	3.02	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
471	ω Leonis	1755	2	9 15 18.712	+ 323.067	— 0.953	+ 322.699	+ 0.368	
		1850	19	9 20 25.205	322.192	0.890	321.846	0.346	
472	3 Leonis	1755	2	9 15 25.175	+ 320.975	— 0.861	+ 321.318	— 0.343	
		1850	4	9 20 29.715	320.166	0.844	320.508	0.342	
473	d Ursæ Majoris	1755	..	9 12 20.11	+ 563.30	—17.63	+ 564.82	— 1.52	
		1800	..	9 16 31.82	555.41	17.39	556.91	1.50	
		1850	..	9 21 7.37	546.79	17.10	548.26	1.47	
		1900	..	9 25 38.64	538.31	16.81	539.76	1.45	
474	θ Ursæ Majoris	1755	..	9 16 19.237	+ 411.594	— 5.627	+ 422.332	—10.738	+0.067
		1850	175	9 22 47.724	406.289	5.541	416.979	10.690	
		1900	..	9 26 10.177	403.528	5.503	414.200	10.672	
475	ξ Leonis	1755	5	9 18 42.829	+ 325.248	— 1.024	+ 325.982	— 0.734	
		1850	87	9 23 51.354	324.283	1.008	325.017	0.734	
476	h Leonis	1755	2	9 18 47.913	+ 323.541	— 0.946	+ 323.475	+ 0.066	
		1850	29	9 23 54.854	322.654	0.923	322.589	0.065	
477	7 Leonis	1755	5	9 22 27.556	+ 330.181	— 1.194	+ 330.470	— 0.289	
		1850	5	9 27 40.691	329.056	1.174	329.344	0.288	
478	8 Leonis	1755	5	9 23 29.433	+ 333.479	— 1.317	+ 333.646	— 0.167	
		1850	9	9 28 45.646	332.237	1.297	332.409	0.172	
479	10 Leonis	1755	2	9 24 15.414	+ 318.158	— 0.797	+ 318.692	— 0.534	
		1850	26	9 29 17.308	317.410	0.776	317.945	0.535	
480	11 Leonis	1755	5	9 24 37.257	+ 329.615	— 1.198	+ 330.168	— 0.553	
		1850	3	9 29 49.853	328.487	1.177	329.042	0.555	
481	o Leonis	1755	5	9 28 2.999	+ 321.962	— 0.960	+ 322.990	— 1.028	
		1850	223	9 33 8.433	321.061	0.936	322.096	1.035	
482	ψ Leonis	1755	5	9 30 21.514	+ 328.906	— 1.181	+ 328.968	— 0.062	
		1850	14	9 35 33.445	327.795	1.158	327.857	0.062	
483	ε Leonis	1755	5	9 31 53.773	+ 343.933	— 1.825	+ 344.367	— 0.434	+0.001
		1850	653	9 37 19.690	342.213	1.797	342.645	0.432	
		1900	..	9 40 10.573	341.318	1.784	341.750	0.432	
484	18 Leonis	1755	5	9 33 9.687	+ 325.239	— 1.051	+ 325.346	— 0.107	
		1850	23	9 38 18.193	324.252	1.028	324.357	0.105	
485	19 Leonis	1755	4	9 34 14.174	+ 324.311	— 1.040	+ 324.885	— 0.574	
		1850	5	9 39 21.804	323.335	1.014	323.909	0.574	
486	B. A. C. 3345	1755	1	9 34 21.270	+ 324.592	— 1.051	+ 324.680	— 0.088	
		1850	33	9 39 29.161	323.605	1.026	323.701	0.096	
487	20 Leonis	1755	5	9 36 4.805	+ 338.821	— 1.642	+ 339.241	— 0.420	
		1850	6	9 41 25.948	337.274	1.614	337.697	0.423	
488	21 Leonis	1755	3	9 37 36.715	+ 324.757	— 1.057	+ 324.935	— 0.178	
		1850	5	9 42 44.761	323.766	1.030	323.944	0.178	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
471	ω Leonis	6.5	1755	+ 10 6 34 15	— 1510.89	— 30.46	— 1510.35	— 0.54	
		5.9	1850	9 42 25.70	1539.39	29.54	1538.77	0.62	
472	3 Leonis	6.5	1755	+ 9 14 34.01	— 1512.62	— 30.13	— 1510.96	— 1.66	
		6.3	1850	8 50 23.56	1540.82	29.25	1539.20	1.62	
473	*d* Ursæ Majoris	5.0	1755	+ 70 53 2.70	— 1487.23	— 54.11	— 1493.05	+ 5.82	
			1800	70 41 48.02	1511.17	52.22	1517.05	5.88	
		4.7	1850	70 29 5.99	1536.74	50.17	1542.70	5.96	
			1900	70 16 11.43	1561.32	48.16	1567.36	6.04	
474	θ Ursæ Majoris	3.0	1755	+ 52 46 38.36	— 1572.91	— 37.70	— 1516.17	—56.74	+ 0.91
		3.0	1850	52 21 27.34	1607.89	35.94	1552.01	55.88	
			1900	52 7 58.95	1625.63	35.02	1570.21	55.42	
475	ξ Leonis	5.0	1755	+ 12 22 14.87	— 1538.01	— 30.04	— 1529.82	— 8.19	
		5.3	1850	11 57 40.35	1566.10	29.13	1557.88	8.22	
476	*h* Leonis	6.0	1755	+ 10 46 56.05	— 1531.48	— 29.92	— 1530.26	— 1.22	
		5.7	1850	10 22 27.79	1559.46	28.99	1558.21	1.25	
477	7 Leonis	6.5	1755	+ 15 27 34.01	— 1551.99	— 29.87	— 1550.79	— 1.20	
		6.3	1850	15 2 46.29	1579.91	28.90	1578.73	1.18	
478	8 Leonis	6.5	1755	+ 17 31 19.89	— 1558.32	— 30.01	— 1556.50	— 1.82	
		5.7	1850	17 6 26.09	1586.36	29.02	1584.56	1.80	
479	10 Leonis	5.5	1755	+ 7 55 15.98	— 1560.63	— 28.45	— 1560.72	+ 0.09	
		5.4	1850	7 30 20.67	1587.24	27.58	1587.39	0.15	
480	11 Leonis	7.0	1755	+ 15 26 24.36	— 1570.13	— 29.44	— 1562.73	— 7.40	
		6.8	1850	15 1 19.60	1597.63	28.47	1590.27	7.36	
481	*o* Leonis	4.0	1755	+ 10 59 37.65	— 1584.82	— 28.47	— 1581.39	— 3.43	
		3.7	1850	10 34 19.36	1611.43	27.56	1607.80	3.63	
482	ψ Leonis	6.0	1755	+ 15 7 47.11	— 1595.47	— 28.46	— 1593.74	— 1.73	
		6.0	1850	14 42 18.73	1622.04	27.48	1620.32	1.72	
483	ε Leonis	3.0	1755	+ 24 53 21.19	— 1604.05	— 29.53	— 1601.87	— 2.18	+ 0.02
		3.0	1850	24 27 44.19	1631.57	28.40	1629.40	2.17	
			1900	24 14 4.88	1645.62	27.80	1643.46	2.16	
484	18 Leonis	6.0	1755	+ 12 55 34.35	— 1608.19	— 27.70	— 1608.52	+ 0.33	
		6.0	1850	12 29 54.21	1634.03	26.71	1634.37	0.34	
485	19 Leonis	7.0	1755	+ 12 41 18.48	— 1612.70	— 27.36	— 1614.14	+ 1.44	
		7.0	1850	12 15 34.21	1638.24	26.41	1639.72	1.48	
486	B. A. C. 3345	8.0	1755	+ 12 33 10.00	— 1619.61	— 27.45	— 1614.79	— 4.82	
			1850	12 7 19.14	1645.23	26.52	1640.34	4.89	
487	20 Leonis	7.0	1755	+ 22 18 31.32	— 1627.27	— 28.30	— 1623.67	— 3.60	
		6.0	1850	21 52 32.80	1653.65	27.22	1650.07	3.58	
488	21 Leonis	7.5	1755	+ 12 58 27.03	— 1631.39	— 26.86	— 1631.52	+ 0.13	
		6.8	1850	12 32 25.24	1656.45	25.90	1656.60	0.15	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
489	23 Leonis	1755	2	9 37 44.540	+ 326.950	— 1.130	+ 326.682	+ 0.268	
		1850	7	9 42 54.637	325.890	1.103	325.620	0.270	
490	μ Leonis	1755	5	9 38 46.679	+ 344.868	— 2.001	+ 346.640	— 1.772	+0.005
		1850	220	9 44 13.405	342.981	1.970	344.747	1.766	
		1900	- -	9 47 4.650	342.001	1.952	343.764	1.763	
491	9 Sextantis	1755	5	9 41 17.443	+ 314.722	— 0.697	+ 315.113	— 0.391	
		1850	3	9 46 16.119	314.074	0.668	314.465	0.391	
492	10 Sextantis	1755	5	9 43 25.372	+ 319.641	— 0.895	+ 320.345	— 0.704	
		1850	3	9 48 28.632	318.805	0.865	319.508	0.703	
493	26 Leonis	1755	4	9 44 50.498	+ 328.533	— 1.254	+ 328.860	— 0.327	
		1850	12	9 50 2.043	327.356	1.225	327.684	0.328	
494	ν Leonis	1755	5	9 45 0.943	+ 324.731	— 1.093	+ 324.976	— 0.245	
		1850	47	9 50 8.948	323.704	1.070	323.955	0.251	
495	11 Sextantis	1755	5	9 45 7.540	+ 319.412	— 0.866	+ 319.385	+ 0.027	
		1850	5	9 50 10.596	318.604	0.836	318.577	0.027	
496	π Leonis	1755	5	9 47 14.757	+ 318.543	— 0.850	+ 318.867	— 0.324	
		1850	214	9 52 16.994	317.750	0.819	318.075	0.325	
497	14 Sextantis	1755	2	9 53 57.717	+ 314.964	— 0.713	+ 315.326	— 0.362	
		1850	14	9 58 56.615	314.303	0.679	314.665	0.362	
498	η Leonis	1755	5	9 53 56.437	+ 329.581	— 1.362	+ 329.643	— 0.062	
		1850	48	9 59 8.932	328.312	1.310	328.381	0.069	
499	A Leonis	1755	1	9 54 52.725	+ 320.093	— 0.945	+ 320.732	— 0.639	
		1850	17	9 59 56.391	319.212	0.910	319.853	0.641	
500	α Leonis	1755	- -	9 55 17.835	+ 321.432	— 1.045	+ 323.179	— 1.747	+0.004
		1850	- -	10 0 22.728	320.454	1.011	322.200	1.746	
		1900	- -	10 3 2.829	319.953	0.992	321.695	1.742	
501	B. A. C. 3460	1755	1	9 55 39.228	+ 332.028	— 1.467	+ 331.758	+ 0.270	
		1850	7	10 0 53.998	330.652	1.429	330.391	0.261	
502	16 Sextantis	1755	3	9 56 23.214	+ 315.928	— 0.736	+ 315.873	+ 0.055	
		1850	13	10 1 23.022	315.248	0.697	315.188	0.060	
503	34 Leonis	1755	3	9 58 25.645	+ 324.922	— 1.134	+ 324.568	+ 0.354	
		1850	20	10 3 33.814	323.863	1.097	323.507	0.356	
504	19 Sextantis	1755	5	10 0 2.535	+ 313.299	— 0.650	+ 313 805	— 0.506	
		1850	3	10 4 59.881	312.699	0.615	313.204	0.505	
505	32 Ursæ Majoris	1755	5	9 59 55.09	+ 457.91	—12.14	+ 459.58	— 1.67	
		1800	- -	10 3 19.94	452.50	11.89	454.15	1.65	
		1850	- -	10 7 4.72	446.62	11.62	448.26	1.64	
		1900	- -	10 10 46.59	+ 440.87	—11.35	+ 442.50	— 1.63	
506	B. A. C. 3506	1850	14	10 8 5.434	+ 328.499	— 1.361	+ 328.147	+ 0.352	
507	37 Leonis	1755	5	10 3 29.931	+ 324.103	— 1.146	+ 324.368	— 0.265	
		1850	23	10 8 37.317	323.032	1.108	323.298	0.266	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
489	23 Leonis	7.5	1755	+ 14 11 59.60	— 1635.06	— 27.06	— 1632.18	— 2.88	
		6.3	1850	13 45 54.24	1660.30	26.08	1657.50	2.80	
490	μ Leonis	3.0	1755	+ 27 8 52.04	— 1642.89	— 28.21	— 1637.41	— 5.48	+ 0.14
		4.0	1850	26 42 38.74	1669.14	27.06	1663 84	5.30	
			1900	26 28 40.81	1682.52	26.46	1677.30	5.22	
491	9 Sextantis	7.0	1755	+ 6 5 16.49	— 1649.17	— 25.38	— 1650.05	+ 0.88	
		6.9	1850	5 38 58.46	1672.86	24.49	1673.77	0.91	
492	10 Sextantis	6.0	1755	+ 10 4 57.44	— 1659.67	— 25.40	— 1660.60	+ 0.93	
		6.0	1850	9 38 29.44	1683.35	24.47	1684.34	0.99	
493	26 Leonis	7.5	1755	+ 16 22 42.99	— 1671.41	— 25.91	— 1667.54	— 3.87	
		7.7	1850	15 56 3.61	1695.55	24.90	1691.70	3.85	
494	ν Leonis	5.5	1755	+ 13 36 8.00	— 1671.26	— 25.65	— 1668.38	— 2.88	
		5.3	1850	13 9 28.88	1695.16	24.67	1692.23	2.93	
495	11 Sextantis	6.0	1755	+ 9 28 19.37	— 1672.15	— 25.15	— 1668.92	— 3.23	
		6.0	1850	9 1 39.62	1695.60	24.22	1692.36	3.24	
496	π Leonis	4.5	1755	+ 9 12 30.00	— 1681.35	— 24.77	— 1679.14	— 2.21	
		5.2	1850	8 45 41.68	1704.42	23.82	1702.20	2.22	
497	14 Sextantis	6.0	1755	+ 6 47 42.30	— 1711.11	— 23.25	— 1710.61	— 0.50	
		6.6	1850	6 20 26.40	1732.76	22.34	1732.29	0.47	
498	η Leonis	3.5	1755	+ 17 56 46.75	— 1710.46	— 24.43	— 1710.52	+ 0.06	
		3.3	1850	17 29 30.97	1733.17	23.39	1733.16	— 0.01	
499	A Leonis	5.0	1755	+ 11 11 15.35	— 1720.69	— 23.46	— 1714.80	— 5.89	
		4.7	1850	10 43 50.26	1742.52	22.50	1736.66	5.86	
500	α Leonis	1.0	1755	+ 13 9 15.16	— 1716.96	— 23.41	— 1716.70	— 0.26	+ 0.13
		1.3	1850	12 41 53.64	1738.73	22.43	1738.60	0.13	
			1900	12 27 21.50	1749.81	21.91	1749.74	0.07	
501	B. A. C. 3460	7.8	1755	+ 19 43 25.23	— 1724.62	— 24.29	— 1718.31	— 6.31	
		6.3	1850	19 15 56.05	1747.19	23.22	1740.82	6.37	
502	16 Sextantis	6.0	1755	+ 7 21 41.41	— 1722.91	— 22.95	— 1721.64	— 1.27	
		6.9	1850	6 54 14.46	1744.26	22.00	1742.96	1.30	
503	34 Leonis	6.0	1755	+ 14 33 13.57	— 1733.56	— 23.26	— 1730.73	— 2.83	
		6.3	1850	14 5 36.34	1755.18	22.26	1752.34	2.84	
504	19 Sextantis	7.0	1755	+ 5 48 54.71	— 1737.98	— 22.06	— 1737.80	— 0.18	
		6.2	1850	5 21 13.81	1758.50	21.15	1758.41	0.09	
505	32 Ursæ Majoris	5.5	1755	+ 66 19 1.22	— 1739.97	— 32.55	— 1737.28	— 2.69	
			1800	66 5 54.97	1754.36	31.30	1751.72	2.64	
		6.0	1850	65 51 13.94	1769.66	29.95	1767.08	2.58	
			1900	65 36 25.43	1784.28	28.64	1781.76	2.52	
506	B. A. C. 3506	6.0	1850	+ 18 29 5.14	— 1773.63	— 21.74	— 1771.25	— 2.38	
507	37 Leonis	6.0	1755	+ 14 56 26.13	— 1756.47	— 22.24	— 1752.76	— 3.71	
		5.7	1850	14 28 27.59	1777.12	21.23	1773.43	3.69	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
508	γ^1 Leonis	1755	10	10 6 25.590	+ 333.543	— 1.560	+ 331.503	+ 2.040	—0.048
		1850	380	10 11 41.759	332.081	1.518	330.050	2.031	
		1900	- -	10 14 27.611	331.328	1.493	329.305	2.023	
509	23 Sextantis	1755	1	10 8 22.312	+ 310.522	— 0.516	+ 310.838	— 0.316	
		1850	9	10 13 17.081	310.051	0.477	310.368	0.317	
510	42 Leonis	1755	5	10 8 37.925	+ 324.887	— 1.207	+ 325.149	— 0.262	
		1850	26	10 13 46.028	323.756	1.174	324.015	0.259	
511	43 Leonis	1755	5	10 10 10.223	+ 315.218	— 0.734	+ 315.420	— 0.202	
		1850	16	10 15 9.355	314.540	0.694	314.745	0.205	
512	44 Leonis	1850	14	10 17 20.675	+ 316.995	— 0.805	+ 316.913	+ 0.082	
513	45 Leonis	1755	3	10 14 41.133	+ 318.553	— 0.893	+ 318.531	+ 0.022	
		1850	26	10 19 43.363	317.724	0.854	317.703	0.021	
514	B. A. C. 3579	1755	1	10 15 40.987	+ 322.827	— 1.155	+ 323.401	— 0.574	
		1850	24	10 20 47.157	321.748	1.118	322.321	0.573	
515	9 (H) Draconis	1755	- -	10 13 27.71	+ 565.93	—31.44	+ 565.94	— 0.01	
		1775	- -	10 15 20.27	559.70	30.84	559.71	0.01	
		1800	- -	10 17 39.24	552.08	30.11	552.10	0.02	
		1825	- -	10 19 56.33	544.64	29.40	544.66	0.02	
		1850	- -	10 22 11.58	537.38	28.69	537.40	0.02	
		1875	- -	10 24 25.04	530.30	28.00	530.32	0.02	
		1900	- -	10 26 36.74	+ 523.38	—27.33	+ 523.41	— 0.02	
516	31 Sextantis	1755	1	10 17 50.835	+ 310.881	— 0.483	+ 310.422	+ 0.459	
		1850	6	10 22 45.960	310.442	0.442	309.983	0.459	
517	i Leonis	1755	5	10 19 5.330	+ 322.320	— 1.142	+ 322.688	— 0.368	
		1850	17	10 24 11.027	321.256	1.097	321.626	0.370	
518	32 Sextantis	1755	3	10 19 34.108	+ 312.583	— 0.600	+ 312.856	— 0.273	
		1850	6	10 24 30.798	312.033	0.559	312.305	0.272	
519	ρ Leonis	1755	5	10 19 53.278	+ 317.527	— 0.852	+ 317.546	— 0.019	
		1850	330	10 24 54.554	316.737	0.810	316.756	0.019	
		1900	- -	10 27 32.822	316.337	0.787	316.357	0.020	
520	48 Leonis	1755	5	10 22 0.128	+ 314.218	— 0.711	+ 314.996	— 0.778	
		1850	13	10 26 58.321	313.563	0.670	314.338	0.775	
521	49 Leonis	1755	4	10 22 9.633	+ 316.290	— 0.812	+ 316.671	— 0.381	
		1850	8	10 27 9.748	315.537	0.774	315.922	0.385	
522	50 Leonis	1755	4	10 25 44.253	+ 323.993	— 1.247	+ 323.750	+ 0.243	
		1850	7	10 30 51.489	322.830	1.201	322.590	0.240	
523	34 Sextantis	1755	4	10 29 57.713	+ 310.659	— 0.511	+ 311.347	— 0.688	
		1850	148	10 34 52.615	310.194	0.467	310.881	0.687	
524	35 Sextantis (1st star)	1755	4	10 30 37.017	+ 311.916	— 0.574	+ 312.365	— 0.449	
		1850	6	10 35 33.085	311.393	0.529	311.842	0.449	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
508	γ^1 Leonis	2.0	1755	+ 21 4 14.08	— 1779.47	— 22.52	— 1765.09	—14.38	— 0.14
		2.0	1850	20 35 53.60	1800.33	21.41	1785.82	14.51	
			1900	20 20 50.78	1810.89	20.83	1796.30	14.59	
509	23 Sextantis	6.0	1755	+ 3 30 46.71	— 1773.57	— 20.42	— 1773.11	— 0.46	
		6.6	1850	3 2 32.74	1792.54	19.52	1792.11	0.43	
510	42 Leonis	6.0	1755	+ 16 12 6.22	— 1777.73	— 21.36	— 1774.20	— 3.53	
		6.0	1850	15 43 47.87	1797.52	20.31	1794.00	3.52	
511	43 Leonis	6.0	1755	+ 7 46 39.27	— 1791.56	— 20.42	— 1780.44	—11.12	
		6.5	1850	7 18 8.22	1810.51	19.48	1799.41	11.10	
512	44 Leonis	6.0	1850	+ 9 32 43.68	— 1812.16	— 19.26	— 1807.78	— 4.38	
513	45 Leonis	6.0	1755	+ 11 0 7.55	— 1798.33	— 19.87	— 1798.33	0.00	
		6.0	1850	10 31 30.33	1816.74	18.88	1816.70	— 0.04	
514	B. A. C. 3579	- -	1755	+ 15 35 12.35	— 1804.09	— 19.95	— 1802.06	— 2.03	
		7.2	1850	15 6 29.63	1822.54	18.92	1820.63	1.91	
515	9 (H) Draconis	5.5	1755	+ 76 57 39.57	— 1795.15	— 36.24	— 1793.54	— 1.61	
			1775	76 51 39.82	1802.30	35.22	1800.69	1.61	
			1800	76 44 8.16	1810.95	34.01	1809.34	1.61	
			1825	76 36 34.38	1819.30	32.82	1817.69	1.61	
		4.7	1850	76 28 58.55	1827.35	31.66	1825.74	1.61	
			1875	76 21 20.73	1835.14	30.54	1833.53	1.61	
			1900	+ 76 13 41.00	— 1842.64	— 29.44	— 1841.03	— 1.61	
516	31 Sextantis	7.0	1755	+ 3 24 0.01	— 1815.05	— 18.80	— 1810.44	4.61	
		7.0	1850	2 55 7.37	1832.47	17.88	1827.83	4.64	
517	i Leonis	6.0	1755	+ 15 23 11.18	— 1813.81	— 19.31	— 1815.08	+ 1.27	
		5.7	1850	14 54 19.52	1831.65	18.26	1832.90	1.25	
518	32 Sextantis	7.0	1755	+ 5 53 41.01	— 1814.67	— 18.55	— 1816.88	+ 2.21	
		8.0	1850	5 24 48.84	1831.85	17.62	1834.07	2.22	
519	ρ Leonis	4.0	1755	+ 10 33 32.85	— 1818.94	— 18.79	— 1818.06	— 0.88	
		3.9	1850	10 4 36.51	1836.34	17.83	1835.46	0.88	
			1900	9 49 16.13	1845.13	17.33	1844.25	0.88	
520	48 Leonis	5.5	1755	+ 8 12 25.93	— 1821.29	— 18.18	— 1825.81	+ 4.52	
		5.5	1850	7 43 27.64	1838.11	17.22	1842.66	4.55	
521	49 Leonis	6.0	1755	+ 9 54 30.45	— 1827.91	— 18.34	— 1826.41	— 1.50	
		6.0	1850	9 25 25.80	1844.89	17.40	1843.32	1.57	
522	50 Leonis	6.5	1755	+ 17 23 41.45	— 1841.97	— 18.12	— 1839.12	— 2.85	
		6.3	1850	16 54 23.56	1858.69	17.08	1855.83	2.86	
523	34 Sextantis	6.0	1755	+ 4 51 21.99	— 1852.07	— 16.51	— 1853.61	+ 1.54	
		6.7	1850	4 21 55.21	1867.32	15.58	1868.88	1.56	
524	35 Sextantis (1st star)	7.0	1755	+ 6 1 32.80	— 1862.52	— 16.48	— 1855.79	— 6.73	
		6.2	1850	5 31 56.12	1877.72	15.53	1871.04	6.68	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
525	36 Sextantis . . .	1755	5	10 32 31.454	+ 309.862	— 0.437	+ 310.278	— 0.416	
		1850	14	10 37 25.630	309.463	0.403	309.875	0.412	
526	37 Sextantis . . .	1755	4	10 33 19.214	+ 313.675	— 0.652	+ 313.638	+ 0.037	
		1850	28	10 38 16.917	313.077	0.606	313.042	0.035	
527	*k* Leonis	1755	5	10 33 25.120	+ 319.682	— 1.097	+ 320.655	— 0.973	
		1850	18	10 38 28.329	318.663	1.049	319.642	0.979	
528	η Argus	1850	. .	10 39 15.22	+ 230.50	+ 2.13	+ 230.70	— 0.20	
		1875	. .	10 40 12.91	231.04	2.16	231.24	0.20	
		1900	. .	10 41 10.74	231.58	2.20	231.78	0.20	
529	38 Sextantis . . .	1755	5	10 34 33.946	+ 312.901	— 0.641	+ 313.524	— 0.623	
		1850	13	10 39 30.920	312.315	0.594	312.936	0.621	
530	*l* Leonis	1755	5	10 36 21.402	+ 316.974	— 0.870	+ 317.001	— 0.027	
		1850	265	10 41 22.142	316.170	0.823	316.196	0.026	
		1900	. .	10 44 0.125	315.765	0.797	315.791	0.026	
531	55 Leonis	1755	5	10 43 5.677	+ 309.215	— 0.317	+ 308.564	+ 0.651	
		1850	11	10 47 59.296	308.937	0.270	308.285	0.652	
532	56 Leonis	1755	1	10 43 17.243	+ 312.690	— 0.600	+ 312.770	— 0.080	
		1850	6	10 48 14.038	312.143	0.553	312.223	0.080	
533	57 Leonis	1755	2	10 43 35.930	+ 308.431	— 0.300	+ 308.321	+ 0.110	
		1850	6	10 48 28.811	308.169	0.252	308.061	0.108	
534	*d* Leonis	1755	5	10 47 53.956	+ 310.509	— 0.448	+ 310.566	— 0.057	
		1850	130	10 52 48.745	310.107	0.399	310.165	0.058	
535	*c* Leonis	1755	5	10 48 2.101	+ 311.904	— 0.576	+ 312.371	— 0.467	
		1850	30	10 52 58.157	311.380	0.528	311.846	0.466	
536	α Ursæ Majoris . .	1755	10	10 48 22.731	+ 386.039	— 8.704	+ 387.947	— 1.908	—0.008
		1850	576	10 54 25.606	377.977	8.267	379.857	1.880	
		1900	. .	10 57 33.571	373.900	8.040	375.761	1.861	
537	p^2 Leonis	1755	5	10 51 4.022	+ 307.321	— 0.246	+ 307.906	— 0.585	
		1850	9	10 55 55.873	307.110	0.198	307.697	0.587	
538	χ Leonis	1755	5	10 52 21.908	+ 310.525	— 0.624	+ 312.920	— 2.395	
		1850	190	10 57 16.634	309.959	0.570	312.350	2.391	
539	p^3 Leonis	1755	5	10 54 24.137	+ 306.373	— 0.330	+ 309.161	— 2.788	
		1850	18	10 59 15.050	306.082	0.283	308.871	2.789	
540	p^4 Leonis	1755	. .	10 56 42.629	+ 306.859	— 0.150	+ 306.989	— 0.130	
		1850	6	11 1 34.084	306.740	0.101	306.870	0.130	
541	p^5 Leonis	1755	5	11 1 12.806	+ 307.485	— 0.194	+ 307.742	— 0.257	
		1850	27	11 6 4.837	307.325	0.143	307.583	0.258	
542	δ Leonis	1755	5	11 1 2.517	+ 321.660	— 1.410	+ 320.652	+ 1.008	—0.007
		1850	746	11 6 7.468	320.350	1.348	319.347	1.003	
		1900	. .	11 8 47.476	319.684	1.315	318.685	0.999	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
525	36 Sextantis	6.0	1755	+ 3 46 8.96	— 1863.70	— 16.01	— 1862.07	— 1.63	
		6.6	1850	3 16 31.36	1878.47	15.09	1876.86	1.61	
526	37 Sextantis	6.0	1755	+ 7 39 26.16	— 1868.43	— 16.13	— 1864.61	— 3.82	
		6.3	1850	7 9 44.03	1883.29	15.16	1879.50	3.79	
527	*k* Leonis	6.0	1755	+ 15 28 53.20	— 1872.92	— 16.35	— 1864.97	— 7.95	
		5.7	1850	14 59 6.70	1887.97	15.33	1880.07	7.90	
528	η Argus	- -	1850	— 58 53 48.72	— 1882.83	— 10.78	— 1882.45	— 0.38	
			1875	59 1 39.76	1885.51	10.67	1885.12	0.39	
			1900	59 9 31.47	1888.17	10.56	1887.77	0.40	
529	38 Sextantis	7.0	1755	+ 7 37 53.23	— 1867.90	— 15.79	— 1868.66	+ 0.76	
		7.8	1850	7 8 11.75	1882.44	14.83	1883.23	0.79	
530	*l* Leonis	6.0	1755	+ 11 50 5.51	— 1877.19	— 15.69	— 1874.31	— 2.88	0.00
		5.3	1850	11 20 15.24	1891.63	14.69	1888.75	2.88	
			1900	11 4 27.61	1898.85	14.17	1895.97	2.88	
531	55 Leonis	6.0	1755	+ 2 2 15.18	— 1895.93	— 14.11	— 1894.56	— 1.37	
		6.2	1850	1 32 7.83	1908.89	13.18	1907.45	1.44	
532	56 Leonis	7.0	1755	+ 7 29 11.51	— 1895.01	— 14.17	— 1895.10	+ 0.09	
		6.6	1850	6 59 5.01	1908.01	13.20	1908.11	0.10	
533	57 Leonis	7.0	1755	+ 1 44 4.95	— 1898.16	— 13.91	— 1896.00	— 2.16	
		6.9	1850	1 13 55.56	1910.94	12.99	1908.77	2.17	
534	*d* Leonis	5.0	1755	+ 4 55 39.21	— 1910.79	— 13.23	— 1907.95	— 2.84	
		5.3	1850	4 25 18.21	1922.89	12.26	1920.07	2.82	
535	*c* Leonis	5.5	1755	+ 7 24 43.01	— 1910.59	— 13.21	— 1908.34	— 2.25	
		5.3	1850	6 54 22.14	1922.68	12.25	1920.46	2.22	
536	α Ursæ Majoris	1.5	1755	+ 63 4 1.85	— 1916.08	— 16.32	— 1909.32	— 6.76	+ 0.08
		2.0	1850	62 33 34.46	1930.79	14.64	1924.11	6.68	
			1900	62 17 27.27	1937.89	13.76	1931.25	6.64	
537	p^2 Leonis	6.0	1755	+ 1 18 48.08	— 1917.66	— 12.48	— 1916.32	— 1.34	
		5.4	1850	0 48 20.81	1929.08	11.56	1927.78	1.30	
538	χ Leonis	4.5	1755	+ 8 39 18.09	— 1924.06	— 12.29	— 1919.73	— 4.33	
		4.8	1850	8 8 44.84	1935.28	11.33	1931 00	4.28	
539	p^3 Leonis	5.5	1755	+ 3 16 49.58	— 1933.56	— 11.68	— 1924.83	— 8.73	
		5.9	1850	2 46 7.56	1944.24	10.81	1935.59	8.65	
540	p^4 Leonis	7.0	1755	— 0 0 37.46	— 1930.75	— 11.37	— 1930.42	— 0.33	
		6.9	1850	0 31 16.66	1941.11	10.44	1940.82	0.29	
541	p^5 Leonis	5.5	1755	+ 1 15 34.41	— 1942.00	— 10.54	— 1940.81	— 1.19	
		5.7	1850	0 44 44.90	1951.57	9.60	1950.39	1.18	
542	δ Leonis	3.0	1755	+ 21 51 42.84	— 1954.61	— 11.15	— 1940.42	—14.19	— 0.04
		2.3	1850	21 20 41.09	1964.71	10.09	1950.48	14.23	
			1900	21 4 17.50	1969.61	9.53	1955.36	14.25	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
543	B. A. C. 3837 . .	1850	17	11 6 14.025	+ 312.460	— 0.578	+ 312.034	+ 0.426	
544	ϕ Leonis	1755	5	11 4 12.473	+ 304.961	+ 0.001	+ 305.692	— 0.731	
		1850	33	11 9 2.193	304.986	0.052	305.718	0.732	
545	75 Leonis	1755	5	11 4 40.768	+ 309.085	— 0.290	+ 308.876	+ 0.209	
		1850	11	11 9 34.275	308.832	0.240	308.622	0.210	
546	76 Leonis	1755	5	11 6 20.352	+ 308.168	— 0.259	+ 308.617	— 0.449	
		1850	4	11 11 13.002	307.947	0.208	308.397	0.450	
547	δ Crateris . . .	1755	5	11 7 6.552	+ 298.815	+ 0.568	+ 299.677	— 0.862	+0.001
		1850	454	11 11 50.691	299.381	0.623	300.240	0.859	
		1900	. .	11 14 20.461	299.700	0.653	300.559	0.859	
548	σ Leonis	1755	5	11 8 29.521	+ 310.209	— 0.480	+ 310.852	— 0.643	
		1850	146	11 13 24.010	309.778	0.428	310.421	0.643	
549	ι Leonis	1755	5	11 11 8.252	+ 313.919	— 0.725	+ 312.948	+ 0.971	
		1850	31	11 16 6.157	313.257	0.669	312.289	0.968	
550	79 Leonis	1755	4	11 11 27.873	+ 308.096	— 0.220	+ 308.346	— 0.250	
		1850	15	11 16 20.475	307.913	0.166	308.163	0.250	
551	82 Leonis	1755	1	11 13 3.225	+ 309.090	— 0.312	+ 309.208	— 0.118	
		1850	9	11 17 56.727	308.818	0.260	308.937	0.119	
552	80 Leonis	1755	5	11 13 14.203	+ 308.871	— 0.340	+ 309.466	— 0.595	
		1850	5	11 18 7.485	308.574	0.287	309.168	0.594	
553	83 Leonis	1755	5	11 14 21.020	+ 303.966	— 0.277	+ 309.007	— 5.041	
		1850	25	11 19 9.671	303.728	0.226	308.764	5.036	
554	τ Leonis	1755	5	11 15 19.986	+ 308.932	— 0.278	+ 308.901	+ 0.031	
		1850	201	11 20 13.354	308.693	0.226	308.663	0.030	
		1900	. .	11 22 47.674	308.589	0.195	308.558	0.031	
555	λ Draconis . . .	1755	5	11 16 32.76	+ 377.80	—12.30	+ 378.91	— 1.11	
		1800	. .	11 19 21.55	372.37	11.85	373.46	1.09	
		1850	. .	11 22 26.28	366.56	11.37	367.64	1.08	
		1900	. .	11 25 28.15	360.98	10.92	362.05	1.07	
556	e Leonis	1755	5	11 17 47.993	+ 306.376	+ 0.039	+ 306.290	+ 0.086	
		1850	39	11 22 39.076	306.438	0.091	306.352	0.086	
557	89 Leonis	1755	5	11 21 49.286	+ 307.481	— 0.254	+ 308.710	— 1.229	
		1850	11	11 26 41.286	307.265	0.200	308.495	1.230	
558	υ Leonis	1755	5	11 24 24.393	+ 307.126	— 0.040	+ 307.187	— 0.061	+0.001
		1850	271	11 29 16.154	307.116	+ 0.019	307.178	0.062	
		1900	. .	11 31 49.716	307.132	0.047	307.194	0.062	
559	ω Virginis . . .	1755	5	11 25 48.970	+ 310.203	— 0.506	+ 310.318	— 0.115	
		1850	6	11 30 43.443	309.749	0.451	309.866	0.117	
560	ξ Virginis . . .	1755	5	11 32 38.615	+ 310.131	— 0.478	+ 309.696	+ 0.435	
		1850	17	11 37 33.032	309.704	0.421	309.270	0.434	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
543	B. A. C. 3837 . .	6.3	1850	+ 8 52 49.98	— 1960.50	— 9.77	— 1950.70	— 9.80	
544	φ Leonis	5.0	1755	— 2 18 58.05	— 1952.19	— 9.86	— 1947.32	— 4.87	
		4.2	1850	2 49 56.94	1961.12	8.95	1956.26	4.86	
545	75 Leonis	5.5	1755	+ 3 21 14.87	— 1964.60	— 9.99	— 1948.26	—16.34	
		5.7	1850	2 50 4.14	1973.63	9.04	1957.28	16.35	
546	76 Leonis	6.0	1755	+ 2 59 23.82	— 1958.31	— 9.58	— 1951.71	— 6.60	
		6.3	1850	2 28 19.25	1966.96	8.63	1960.38	6.58	
547	δ Crateris . . .	3.5	1755	— 13 27 20.51	— 1934.94	— 9.11	— 1953.25	+18.31	+ 0.03
		3.8	1850	13 58 2.68	1943.18	8.24	1961.52	18.34	
			1900	14 14 15.28	1947.18	7.78	1965.54	18.36	
548	σ Leonis	4.0	1755	+ 7 22 5.65	— 1957.19	— 9.24	— 1956.00	— 1.19	
		4.1	1850	6 51 2.29	1965.52	8.28	1964.33	1.19	
549	ι Leonis	4.0	1755	+ 11 52 32.23	— 1969.37	— 8.88	— 1961.03	— 8.34	
		4.0	1850	11 21 17.48	1977.33	7.88	1968.95	8.38	
550	79 Leonis	5.5	1755	+ 2 44 57.45	— 1962.87	— 8.60	— 1961.63	— 1.24	
		6.0	1850	2 13 49.00	1970.58	7.64	1969.36	1.22	
551	82 Leonis	7.0	1755	+ 4 38 51.66	— 1969.94	— 8.37	— 1964.50	— 5.46	
		6.9	1850	4 7 36.59	1977.44	7.41	1971.96	5.48	
552	80 Leonis	7.0	1755	+ 5 12 23.59	— 1970.95	— 8.27	— 1964.84	— 6.11	
		6.5	1850	4 41 7.60	1978.35	7.32	1972.25	6.10	
553	83 Leonis	8.0	1755	+ 4 20 43.54	— 1949.18	— 7.78	— 1966.79	+17.61	
		6.5	1850	3 49 48.44	1956.14	6.88	1973.88	17.74	
554	τ Leonis	4.0	1755	+ 4 12 10.01	— 1970.57	— 7.89	— 1968.46	— 2.11	— 0.01
		5.3	1850	3 40 54.56	1977.61	6.93	1975.50	2.11	
			1900	3 24 24.92	1980.94	6.43	1978.84	2.10	
555	λ Draconis . . .	3.5	1755	+ 70 40 48.10	— 1972.59	— 9.51	— 1970.50	— 2.09	
			1800	70 25 59.48	1976.71	8.70	1974.63	2.08	
		3.3	1850	70 9 30.08	1980.83	7.85	1978.76	2.07	
			1900	69 52 58.72	1984.55	7.00	1982.49	2.06	
556	ε Leonis	4.5	1755	— 1 39 16.94	— 1973.88	— 7.35	— 1972.55	— 1.33	
		5.3	1850	2 10 35.30	1980.41	6.41	1979.07	1.34	
557	89 Leonis	6.0	1755	+ 4 25 7.41	— 1989.75	— 6.56	1978.68	—11.07	
		6.2	1850	3 53 34.33	1995.53	5.61	1984.49	11.04	
558	υ Leonis	4.5	1755	+ 0 31 36.93	— 1978.80	— 6.09	— 1982.30	+ 3.50	0.00
		4.4	1850	+ 0 0 14.46	1984.14	5.14	1987.64	3.50	
			1900	— 0 16 18.23	1986.58	4.64	1990.08	3.50	
559	ω Virginis . . .	6.5	1755	+ 9 29 20.94	— 1986.31	— 5.87	— 1984.18	— 2.13	
		5.9	1850	8 57 51.44	1991.43	4.90	1989.29	2.14	
560	ξ Virginis . . .	5.5	1755	+ 9 37 7.56	— 1995.18	— 4.54	— 1992.18	— 3.00	
		5.3	1850	9 5 30.25	1999.03	3.57	1996.02	3.01	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
561	ν Virginis	1755	5	11 33 15.555	+ 308.972	— 0.383	+ 309.159	— 0.187	
		1850	57	11 38 8.914	308.635	0.328	308.823	0.187	
562	A^1 Virginis	1755	5	11 35 18.978	+ 309.051	— 0.459	+ 309.429	— 0.378	
		1850	11	11 40 12.378	308.642	0.403	309.019	0.377	
563	β Leonis	1755	20	11 36 32.622	+ 307.414	— 0.795	+ 310.900	— 3.486	+0.009
		1850	. .	11 41 24.315	306.686	0.736	310.164	3.478	
		1900	. .	11 43 57.567	306.326	0.703	309.800	3.474	
564	β Virginis	1755	10	11 37 55.992	+ 312.587	— 0.107	+ 307.703	+ 4.884	
		1850	129	11 42 52.910	312.512	0.051	307.632	4.880	
		1900	. .	11 45 29.161	312.494	0.021	307.616	4.878	
565	B. A. C. 4006	1755	2	11 38 31.019	+ 306.422	+ 0.266	+ 306.128	+ 0.294	
		1850	26	11 43 22.250	306.705	0.330	306.414	0.293	
566	γ Ursæ Majoris	1755	10	11 40 49.117	+ 324.210	— 4.645	+ 323.000	+ 1.210	—0.016
		1850	390	11 45 55.054	319.903	4.423	318.699	1.204	
		1900	. .	11 48 34.458	317.721	4.304	316.527	1.194	
567	A^2 Virginis	1755	5	11 42 28.460	+ 308.511	— 0.430	+ 308.762	— 0.251	
		1850	5	11 47 21.360	308.130	0.373	308.382	0.252	
568	B. A. C. 4039	1755	2	11 45 40.184	+ 307.822	— 0.145	+ 307.705	+ 0.117	
		1850	9	11 50 32.558	307.711	0.090	307.593	0.118	
569	b Virginis	1755	5	11 47 23.863	+ 307.491	— 0.144	+ 307.642	— 0.151	
		1850	26	11 52 15.923	307.381	0.088	307.531	0.150	
570	π Virginis	1755	5	11 48 18.908	+ 307.757	— 0.297	+ 307.952	— 0.195	
		1850	160	11 53 11.152	307.502	0.240	307.697	0.195	
571	o Virginis	1755	5	11 52 43.270	+ 306.216	— 0.381	+ 307.753	— 1.537	
		1850	189	11 57 34.012	305.882	0.323	307.416	1.534	
		1900	. .	12 0 6.914	305.728	0.293	307.261	1.533	
572	a Corvi	1755	5	11 55 49.504	+ 306.341	+ 1.442	+ 305.950	+ 0.391	
		1850	5	12 0 41.190	307.749	1.522	307.354	0.395	
573	10 Virginis	1755	5	11 57 8.168	+ 307.359	+ 0.002	+ 307.092	+ 0.267	
		1850	43	12 2 0.168	307.387	0.059	307.121	0.266	
574	11 Virginis	1755	4	11 57 34.089	+ 305.999	— 0.197	+ 307.175	— 1.176	
		1850	11	12 2 24.708	305.838	0.141	307.013	1.175	
575	4 (H) Draconis	1755	. .	12 0 21.25	+ 306.99	—15.13	+ 305.94	+ 1.05	
		1775	. .	12 1 22.34	304.00	14.67	302.96	1.04	
		1800	. .	12 2 37.89	300.40	14.12	299.38	1.02	
		1825	. .	12 3 52.56	296.93	13.59	295.92	1.01	
		1850	. .	12 5 6.38	293.60	13.09	292.60	1.00	
		1875	. .	12 6 19.37	290.38	12.61	289.39	0.99	
		1900	. .	12 7 31.58	+ 287.29	—12.16	+ 286.31	+ 0.98	
576	γ Corvi	1755	5	12 3 14.246	+ 306.456	+ 1.074	+ 307.544	— 1.088	
		1850	25	12 8 5.873	307.505	1.135	308.595	1.090	
		1900	. .	12 10 39.769	308.081	1.168	309.172	1.091	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
561	ν Virginis	4.5	1755	+ 7 54 2.76	— 2010.58	— 4.42	— 1992.79	—17.79	
		4.0	1850	7 22 10.87	2014.31	3.44	1996.53	17.78	
562	A[1] Virginis	5.5	1755	+ 9 36 20.16	— 1994.80	— 3.98	— 1994.83	+ 0.03	
		5.8	1850	9 4 43.45	1998.13	3.02	1998.16	0.03	
563	β Leonis	2.5	1755	+ 15 56 26.48	— 2007.92	— 3.67	— 1995.96	—11.96	+ 0.04
		2.0	1850	15 24 37.44	2010.96	2.73	1999.04	11.92	
			1900	15 7 51.64	2012.20	2.23	2000.30	11.90	
564	β Virginis	3.5	1755	+ 3 8 40.51	— 2025.34	— 3.59	— 1997.15	—28.19	— 0.05
		3.7	1850	2 36 34.95	2028.29	2.59	2000.05	28.24	
			1900	2 19 40.51	2029.45	2.07	2001.19	28.26	
565	B. A. C. 4006		1755	— 3 58 16.19	— 1999.88	— 3.35	— 1997.64	— 2.24	
		6.1	1850	4 29 57.45	2002.61	2.40	2000.36	2.25	
566	γ Ursæ Majoris	2.0	1755	+ 55 3 24.25	— 1999.58	— 3.07	— 1999.44	— 0.14	— 0.01
		2.3	1850	54 31 43.41	2002.01	2.01	2001.86	0.15	
			1900	54 15 2.18	2002.87	1.45	2002.72	0.15	
567	A[2] Virginis	6.0	1755	+ 9 48 23.08	— 2001.31	— 2.58	— 2000.59	— 0.72	
		6.1	1850	9 16 40.82	2003.31	1.62	2002.59	c.72	
568	B. A. C. 4039	7.0	1755	+ 4 50 47.24	— 2003.97	— 1.95	— 2002.54	— 1.43	
		7.5	1850	4 19 2.72	2005.37	0.99	2003.94	1.43	
569	b Virginis	5.5	1755	+ 5 1 12.38	— 2005.50	— 1.60	— 2003.42	— 2.08	
		5.8	1850	4 29 26.58	2006.57	0.65	2004.50	2.07	
570	π Virginis	5.0	1755	+ 7 58 50.40	— 2007.72	— 1.42	— 2003.85	— 3.87	
		4.9	1850	7 27 2.57	2008.62	0.47	2004.76	3.86	
571	o Virginis	4.5	1755	+ 10 5 40.49	— 2001.68	— 0.55	— 2005.46	+ 3.78	0.00
		4.2	1850	9 33 58.79	2001.75	+ 0.39	2005.53	3.78	
			1900	9 17 17.99	— 2001.43	+ 0.89	2005.21	3.78	
572	a Corvi	4.5	1755	— 23 21 40.39	— 2010.82	+ 0.05	— 2006.14	— 4.68	
		4.2	1850	23 53 30.50	2010.33	1.00	2005.64	4.69	
573	10 Virginis	6.0	1755	+ 3 16 29.76	— 2025.97	+ 0.30	— 2006.30	—19.67	
		6.4	1850	2 44 25.38	2025.23	1.25	2005.56	19.67	
574	11 Virginis	7.0	1755	+ 7 10 12.25	— 2004.85	+ 0.39	— 2006.35	+ 1.50	
		6.1	1850	6 38 27.96	2004.03	1.33	2005.53	1.50	
575	4 (H) Draconis	5.0	1755	+ 78 58 43.42	— 2004.36	+ 0.93	— 2006.49	+ 2.13	
			1775	78 52 2.71	2004.14	1.13	2006.27	2.13	
			1800	78 43 41.74	2003.82	1.37	2005.95	2.13	
			1825	78 35 20.84	2003.45	1.60	2005.58	2.13	
		4.7	1850	78 27 0.02	2003.01	1.82	2005.14	2.13	
			1875	78 18 39.34	2002.53	2.03	2004.66	2.13	
			1900	+ 78 10 18.77	— 2002.01	+ 2.24	— 2004.14	+ 2.13	
576	γ Corvi	3.0	1755	— 16 10 47.69	— 2004.66	+ 1.49	— 2006.23	+ 1.57	
		2.5	1850	16 42 31.29	2002.79	2.44	2004.36	1.57	
			1900	16 59 12.36	2001.45	2.94	2003.04	1.59	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
577	β Chamæleontis . .	1850	- -	12 9 39.51	+ 330.42	+17.08	+ 334.85	— 4.43	
		1875	- -	12 11 2.65	334.73	17.71	339.22	4.49	
		1900	- -	12 12 26.89	339.24	18.36	343.78	4.54	
578	B. A. C. 4134 . .	1850	- -	12 10 27.8	- - - -	+ 0.412	+ 307.510	- - -	
579	13 Virginis . . .	1755	5	12 6 7.233	+ 307.013	+ 0.195	+ 306.960	+ 0.053	
		1850	30	12 10 58.991	307.224	0.250	307.172	0.052	
580	14 Virginis . . .	1755	- -	12 6 44.531	+ 307.735	+ 0.626	+ 307.517	+ 0.218	
		1850	13	12 11 37.170	308.356	0.682	308.139	0.217	
581	η Virginis . . .	1755	5	12 7 22.660	+ 306.547	+ 0.196	+ 306.945	— 0.398	
		1850	385	12 12 13.976	306.759	0.250	307.156	0.397	
		1900	- -	12 14 47.388	306.891	0.279	307.289	0.398	
582	ϵ Virginis . . .	1755	4	12 7 54.528	+ 304.602	— 0.006	+ 306.618	— 2.016	
		1850	26	12 12 43.905	304.623	+ 0.050	306.639	2.016	
583	17 Virginis . . .	1755	3	12 10 4.499	+ 305.241	— 0.098	+ 306.308	— 1.067	
		1850	14	12 14 54.443	305.175	0.041	306.242	1.067	
584	α^1 Crucis	1850	- -	12 18 17.54	+ 325.13	+ 6.61	+ 327.46	— 2.33	
		1875	- -	12 19 39.03	326.79	6.71	329.13	2.34	
		1900	- -	12 21 0.94	328.48	6.82	330.83	2.35	
585	q Virginis . . .	1755	4	12 21 9.501	+ 308.047	+ 0.737	+ 308.751	— 0.704	
		1850	54	12 26 2.486	308.773	0.791	309.477	0.704	
586	β Corvi	1755	2	12 21 33.885	+ 312.014	+ 1.552	+ 312.085	— 0.071	
		1850	521	12 26 31.009	313.521	1.620	313.592	0.071	
		1900	- -	12 29 7.973	314.340	1.656	314.410	0.070	
587	κ Draconis . . .	1755	- -	12 22 52.25	+ 266.86	— 6.10	+ 267.98	— 1.12	
		1800	- -	12 24 51.75	264.17	5.83	265.28	1.11	
		1850	- -	12 27 3.13	261.33	5.55	262.42	1.09	
		1900	- -	12 29 13.11	258.62	5.29	259.70	1.08	
588	f Virginis . . .	1755	4	12 24 11.310	+ 307.804	+ 0.561	+ 308.100	— 0.296	
		1850	22	12 29 3.985	308.363	0.615	308.658	0.295	
589	B. A. C. 4254 . .	1850	14	12 30 43.474	+ 305.642	+ 0.502	+ 306.340	— 0.698	
590	χ Virginis . . .	1755	5	12 26 37.342	+ 308.226	+ 0.687	+ 308.802	— 0.576	
		1850	57	12 31 30.475	308.904	0.742	309.482	0.578	
591	γ Virginis . . .	1755	5	12 29 15.411	+ 303.295	+ 0.361	+ 307.029	— 3.734	
		1850	95	12 34 3.712	303.664	0.414	307.393	3.729	
592	28 Virginis . . .	1755	1	12 29 18.760	+ 308.864	+ 0.678	+ 308.835	+ 0.029	
		1850	24	12 34 12.494	309.534	0.732	309.504	0.030	
593	38 Virginis . . .	1755	2	12 40 39.659	+ 305.903	+ 0.531	+ 307.911	— 2.008	
		1850	28	12 45 30.515	306.431	0.581	308.438	2.007	
594	ψ Virginis . . .	1755	4	12 41 38.322	+ 310.217	+ 0.852	+ 310.480	— 0.263	
		1850	56	12 46 33.420	311.052	0.906	311.316	0.264	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
577	β Chamæleontis	4.6	1850	− 78 28 44.50	− 1999.55	+ 2.87	− 2003.86	+ 4.31	
			1875	78 37 4.29	1998.79	3.18	2003.09	4.30	
			1900	78 45 23.88	1997.95	3.51	2002.26	4.31	
578	B. A. C. 4134	6.3	1850	− 3 7 12.5	. . . .	+ 2.92	− 2003.54	. . .	
579	13 Virginis	6.0	1755	+ 0 34 37.64	− 2009.53	+ 2.06	− 2005.74	− 3.79	
		6.1	1850	0 2 49.67	2007.12	3.01	2003.34	3.78	
580	14 Virginis	6.5	1755	− 7 33 1.13	− 2009.92	+ 2.18	− 2005.59	− 4.33	
		6.9	1850	8 4 49.42	2007.39	3.14	2003.06	4.33	
581	η Virginis	3.5	1755	+ 0 41 48.64	− 2008.19	+ 2.29	− 2005.41	− 2.78	
		4.0	1850	+ 0 10 2.04	2005.56	3.24	2002.78	2.78	
			1900	− 0 6 40.32	2003.82	3.74	2001.04	2.78	
582	c Virginis	5.5	1755	+ 4 40 45.67	− 2013.03	+ 2.38	− 2005.26	− 7.77	
		5.5	1850	4 8 54.51	2010.32	3.31	2002.55	7.77	
583	17 Virginis	6.0	1755	+ 6 40 13.82	− 2011.22	+ 2.81	− 2004.52	− 6.70	
		6.6	1850	6 8 24.57	2008.11	3.74	2001.40	6.71	
584	α^1 Crucis	1.3	1850	− 62 16 1.06	− 2003.38	+ 4.62	− 1999.25	− 4.13	
			1875	62 24 21.76	2002.19	4.91	1998.05	4.14	
			1900	62 32 42.15	2000.92	5.22	1996.78	4.14	
585	q Virginis	5.5	1755	− 8 5 49.32	− 1999.35	+ 5.00	− 1997.91	− 1.44	
		5.7	1850	8 37 26.29	1994.12	5.98	1992.70	1.42	
586	β Corvi	2.5	1755	− 22 2 17.77	− 2004.13	+ 5.11	− 1997.55	− 6.58	− 0.01
		2.0	1850	22 33 59.24	1998.81	6.11	1992.22	6.59	
			1900	22 50 37.86	1995.63	6.63	1989.04	6.59	
587	κ Draconis	3.5	1755	+ 71 8 30.38	− 1995.93	+ 4.72	− 1996.48	+ 0.55	
			1800	70 53 32.70	1993.74	5.01	1994.28	0.54	
		3.3	1850	70 36 56.47	1991.16	5.33	1991.69	0.53	
			1900	70 20 21.57	1988.41	5.64	1988.93	0.52	
588	f Virginis	6.5	1755	− 4 28 39.08	− 1999.46	+ 5.58	− 1995.29	− 4.17	
		6.0	1850	5 0 15.90	1993.70	6.54	1989.53	4.17	
589	B. A. C. 4254	6.1	1850	+ 2 40 52.20	− 1989.46	+ 6.85	− 1987.64	− 1.82	
590	χ Virginis	6.0	1755	− 6 38 34.86	− 1997.19	+ 6.06	− 1992.93	− 4.26	
		5.2	1850	7 10 9.31	1990.98	7.02	1086.70	4.28	
591	γ Virginis	4.0	1755	− 0 6 5.18	− 1990.72	+ 6.43	− 1990.14	− 0.58	
		3.1	1850	0 37 33.32	1984.18	7.34	1983.53	0.65	
592	28 Virginis	6.0	1755	− 6 8 56.90	− 1994.17	+ 6.62	− 1990.10	− 4.07	
		7.0	1850	6 40 28.22	1987.42	7.58	1983.34	4.08	
593	38 Virginis	6.0	1755	− 2 12 59.59	− 1976.34	+ 8.71	− 1975.00	− 1.34	
		6.2	1850	2 44 13.03	1967.62	9.66	1966.23	1.39	
594	ψ Virginis	5.5	1755	− 8 12 9.43	− 1976.87	+ 9.02	− 1973.43	− 3.44	
		5.2	1850	8 43 23.23	1967.84	9.99	1964.40	3.44	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
595	32 (H) Camelopardalis (foll.)	1755	7	12 47 48.42	+ 4.37	+31.42	+ 5.73	— 1.36	
		1775	- -	12 47 49.90	10.45	29.67	11.79	1.34	
		1800	- -	12 47 53.41	17.58	27.61	18.89	1.31	
		1825	- -	12 47 58.64	24.20	25.57	25.49	1.29	
		1850	- -	12 48 5.47	30.37	23.81	31.63	1.26	
		1875	- -	12 48 13.79	36.12	22.21	37.34	1.23	
		1900	- -	12 48 23.51	+ 41.51	+20.76	+ 42.64	— 1.21	
596	*a* Canum Venaticorum	1755	5	12 44 31.499	+ 283.624	— 1.614	+ 285.597	— 1.973	+0.015
		1850	364	12 49 0.227	282.135	1.520	284.096	1.961	
		1900	- -	12 51 21.107	281.387	1.473	283.340	1.953	
597	*k* Virginis - - -	1755	5	12 47 3.282	+ 307.907	+ 0.577	+ 308.179	— 0.272	
		1850	11	12 51 56.061	308.479	0.627	308.752	0.273	
598	46 Virginis - - -	1755	5	12 48 0.168	+ 307.673	+ 0.560	+ 307.989	— 0.316	
		1850	8	12 52 52.717	308.229	0.610	308.544	0.315	
599	48 Virginis - - -	1755	5	12 51 18.199	+ 307.807	+ 0.593	+ 308.210	— 0.403	
		1850	17	12 56 10.889	308.393	0.641	308.795	0.402	
600	*g* Virginis - - -	1755	5	12 55 5.463	+ 312.336	+ 0.987	+ 312.282	+ 0.054	
		1850	21	13 0 2.635	313.298	1.039	313.244	0.054	
601	B. A. C. 4394 - -	1755	- -	- - - - - -	- - - - -	+ 0.890	+ 311.338	- - -	
		1850	- -	13 0 43.5	- - - - -	0.945	312.210	- - -	
602	50 Virginis - - -	1755	5	12 56 57.385	+ 312.284	+ 0.977	+ 312.216	+ 0.068	
		1850	20	13 1 54.503	313.235	1.026	313.167	0.068	
603	*θ* Virginis - - -	1755	5	12 57 17.296	+ 309.093	+ 0.720	+ 309.441	— 0.348	
		1850	364	13 2 11.267	309.801	0.770	310.147	0.346	
		1900	- -	13 4 46.265	310.192	0.794	310.537	0.345	
604	56 Virginis - - -	1755	4	13 1 56.435	+ 312.433	+ 1.000	+ 312.693	— 0.260	
		1850	3	13 6 53.705	313.407	1.050	313.665	0.258	
605	58 Virginis - - -	1755	1	13 4 38.618	+ 312.506	+ 1.021	+ 313.056	— 0.550	
		1850	19	13 9 35.969	313.500	1.072	314.051	0.551	
606	62 Virginis - - -	1755	5	13 7 29.969	+ 312.856	+ 1.072	+ 313.849	— 0.993	
		1850	5	13 12 27.673	313.898	1.122	314.894	0.996	
607	65 Virginis - - -	1755	5	13 10 38.610	+ 309.298	+ 0.750	+ 309.574	— 0.276	
		1850	11	13 15 32.789	310.032	0.796	310.308	0.276	
608	66 Virginis - - -	1755	4	13 11 49.511	+ 310.700	+ 0.770	+ 309.790	+ 0.910	
		1850	11	13 16 45.030	311.453	0.816	310.541	0.912	
609	*α* Virginis - - -	1755	100	13 12 19.140	+ 313.862	+ 1.088	+ 314.223	— 0.361	
		1850	- -	13 17 17.807	314.919	1.135	315.281	0.362	
		1900	- -	13 19 55.409	315.493	1.160	315.854	0.361	
610	*i* Virginis - - -	1755	5	13 13 48.726	+ 314.554	+ 1.181	+ 315.552	— 0.998	
		1850	11	13 18 48.093	315.701	1.233	316.696	0.995	
611	69 Virginis - - -	1755	4	13 14 25.525	+ 317.236	+ 1.369	+ 318.189	— 0.953	
		1850	7	13 19 27.524	318.560	1.420	319.516	0.956	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
595	32 (H) Camelopardalis (foll.)	6.0	1755	+ 84 44 45.75	— 1961.64	+ 0.93	— 1962.97	+ 1.33	
			1775	84 38 13.44	1961.43	1.11	1962.75	1.32	
			1800	84 30 3.12	1961.12	1.32	1962.43	1.31	
			1825	84 21 52.88	1960.75	1 53	1962.05	1.30	
		4.7	1850	84 13 42.76	1960.36	1.72	1961.65	1.29	
			1875	84 5 32.73	1959.90	1.91	1961.18	1.28	
			1900	+ 83 57 22.81	— 1959.41	+ 2.08	— 1960.68	+ 1.27	
596	α Canum Venaticorum	2.5	1755	+ 39 38 47.78	— 1963.83	+ 8.79	— 1968.71	+ 4.88	— 0.06
		2.7	1850	39 7 46.21	1955.14	9.51	1959.97	4.83	
			1900	38 51 29.84	1950.29	9.89	1955.09	4.80	
597	k Virginis . . .	6.0	1755	— 2 29 3.38	— 1964.36	+ 9.99	1964.31	— 0.05	
		5.9	1850	3 0 4.87	1954.42	10.94	1954.36	0.06	
598	46 Virginis . . .	6.5	1755	— 2 2 42.61	— 1958.53	+ 10.17	— 1962.60	+ 4 07	
		6.1	1850	2 33 38.48	1948.42	11.11	1952.49	4.07	
599	48 Virginis . . .	6.0	1755	— 2 20 20.88	— 1959.70	+ 10.81	— 1956.41	— 3.29	
		6.7	1850	2 51 17.57	1948.98	11.76	1945.68	3.30	
600	g Virginis . . .	5.5	1755	— 9 25 25.67	— 1950.08	+ 11.69	— 1948.77	— 1.31	
		5.9	1850	9 56 12.82	1938.51	12.67	1937.20	1.31	
601	B. A. C. 4394 . .	. .	1755	— 7 39 57.94	— 1950.73	+ 11.78	— 1947.32	— 3.41	
		6.0	1850	8 10 45.68	1939.10	12.73	1935.65	3.45	
602	50 Virginis . . .	6.0	1755	— 9 0 56.57	— 1946.13	+ 12.07	— 1944.82	— 1.31	
		6.3	1850	9 31 39.80	1934.21	13.04	1932.90	1.31	
603	θ Virginis . . .	4.5	1755	— 4 13 27.16	— 1948.22	+ 11.99	— 1944.11	— 4.11	— 0.01
		4.7	1850	4 44 12.41	1936.38	12.94	1932.26	4.12	
			1900	5 0 18.96	1929.78	13.44	1925.66	4.12	
604	56 Virginis . . .	7.5	1755	— 9 3 45.17	— 1939.80	+ 12.99	— 1933.62	— 6.18	
		7.0	1850	9 34 21.96	1926.99	13.97	1920.82	6.17	
605	58 Virginis . . .	6.0	1755	— 9 14 51.71	— 1925.89	+ 13.51	— 1927.20	+ 1.31	
		7.0	1850	9 45 15.06	1912.59	14.50	1913.86	1.27	
606	62 Virginis . . .	7.0	1755	— 10 0 32.66	— 1921.99	+ 14.03	— 1920.06	— 1.93	
		7.0	1850	10 30 52.07	1908.19	15.01	1906.22	1.97	
607	65 Virginis . . .	6.0	1755	— 3 38 4.38	— 1914.55	+ 14.50	— 1911.89	— 2.66	
		6.1	1850	4 8 16.52	1900.33	15.44	1897.66	2.67	
608	66 Virginis . . .	6.0	1755	— 3 52 31.42	— 1913.33	+ 14.84	— 1908.73	— 4.60	
		6.0	1850	4 22 42.24	1898.78	15.79	1894.22	4.56	
609	α Virginis . . .	1.0	1755	— 9 52 27.41	— 1911.15	+ 15.01	— 1907.39	— 3.76	— 0.02
		1.5	1850	10 22 36.08	1896.42	15.99	1892.65	3.77	
			1900	10 38 22.27	1888.30	16.51	1884.51	3.79	
610	i Virginis . . .	5.0	1755	— 11 25 26.59	— 1907.39	+ 15.34	— 1903.26	— 4.13	
		5.7	1850	11 55 31.54	1892.34	16.34	1888.24	4.10	
611	69 Virginis . . .	5.6	1755	— 14 41 39.28	— 1901.80	+ 15.54	— 1901.59	— 0.21	
		5.0	1850	15 11 38.83	1886.56	16.55	1886.31	0.25	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
612	l^1 Virginis . . .	1755	4	13 17 40.435	+ 311.221	+ 0.858	+ 311.042	+ 0.179	
		1850	3	13 22 36.489	312.057	0.903	311.879	0.178	
613	l^2 Virginis . . .	1755	5	13 19 15.239	+ 310.160	+ 0.856	+ 310.949	— 0.789	
		1850	36	13 24 10.284	310.994	0.900	311.783	0.789	
614	75 Virginis . . .	1755	3	13 19 48.305	+ 318.161	+ 1.359	+ 318.455	— 0.294	
		1850	13	13 24 51.179	319.476	1.409	319.770	0.294	
615	*h* Virginis . . .	1755	5	13 20 5.761	+ 313.810	+ 1.065	+ 314.164	— 0.354	
		1850	39	13 25 4.369	314.843	1.110	315.198	0.355	
616	77 Virginis . . .	1755	. .	13 20 38.158	+ 311.614	+ 0.930	+ 312.130	— 0.516	
		1850	8	13 25 34.618	312.518	0.974	313.036	0.518	
617	ζ Virginis . . .	1755	5	13 22 13.670	+ 304.486	+ 0.583	+ 306.452	— 1.966	—0.002
		1850	483	13 27 3.201	305.060	0.626	307.027	1.967	
		1900	. .	13 29 35.810	305.378	0.648	307.348	1.970	
618	80 Virginis . . .	1755	5	13 22 48.044	+ 310.457	+ 0.823	+ 310.419	+ 0.038	
		1850	19	13 27 43.356	311.260	0.868	311.221	0.039	
619	81 Virginis . . .	1755	1	13 24 46.735	+ 312.425	+ 0.962	+ 312.601	— 0.176	
		1850	4	13 29 43.979	313.360	1.006	313.538	0.178	
620	*m* Virginis . . .	1755	5	13 28 46.935	+ 312.915	+ 1.016	+ 313.610	— 0.695	
		1850	99	13 33 44.671	313.902	1.062	314.598	0.696	
621	83 Virginis . . .	1755	5	13 31 19.193	+ 320.907	+ 1.451	+ 320.841	+ 0.066	
		1850	16	13 36 24.716	322.306	1.495	322.242	0.064	
622	85 Virginis . . .	1755	4	13 32 26.185	+ 320.090	+ 1.427	+ 320.599	— 0.509	
		1850	15	13 37 30.921	321.467	1.472	321.979	0.512	
623	86 Virginis . . .	1755	5	13 32 55.227	+ 317.207	+ 1.236	+ 317.432	— 0.225	
		1850	37	13 37 57.138	318.401	1.278	318.627	0.226	
624	87 Virginis . . .	1755	5	13 34 8.640	+ 323.153	+ 1.565	+ 322.943	+ 0.210	
		1850	9	13 39 16.349	324.661	1.610	324.451	0.210	
625	B. A. C. 4591 . .	1850	7	13 39 18.0	. . . .	+ 1.133	+ 316.023	. . .	
626	88 Virginis . . .	1755	3	13 35 30.784	+ 311.859	+ 0.948	+ 312.309	— 0.450	
		1850	3	13 40 27.482	312.778	0.987	313.228	0.450	
627	η Ursæ Majoris . .	1755	5	13 37 51.349	+ 238.553	— 1.119	+ 239.696	— 1.143	+0.012
		1850	593	13 41 37.482	237.529	1.038	238.657	1.128	
		1900	. .	13 43 36.119	237.021	0.996	238.145	1.124	
628	89 Virginis . . .	1755	5	13 36 36.388	+ 322.839	+ 1.584	+ 323.628	— 0.789	
		1850	42	13 41 43.807	324.365	1.629	325.155	0.790	
629	B. A. C. 4647 (mean)	1755	1	13 42 9.183	+ 312.439	+ 1.028	+ 313.915	— 1.476	
		1850	19	13 47 6.470	313.435	1.068	314.913	1.478	
630	η Bootis	1755	5	13 43 1.125	+ 285.764	— 0.098	+ 286.260	— 0.496	
		1850	853	13 47 32.564	285.693	0.052	286.177	0.484	
		1900	. .	13 49 55.405	285.673	0.027	286.154	0.481	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
612	l^1 Virginis	7.5	1755	− 5 11 50.72	− 1890.05	+ 15.92	− 1892.32	+ 2.27	
		6.7	1850	5 41 38.94	1874.48	16.87	1876.76	2.28	
613	l^2 Virginis	6.0	1755	− 4 58 56.40	− 1892.28	+ 16.18	− 1887.70	− 4.58	
		5.1	1850	5 28 46.63	1876.47	17.13	1871.88	4.59	
614	75 Virginis	6.0	1755	− 14 5 37.09	− 1887.23	+ 16.65	− 1886.04	− 1.19	
		6.0	1850	14 35 22.30	1870.94	17.66	1869.74	1.20	
615	h Virginis	6.0	1755	− 8 53 38.06	− 1889.01	+ 16.47	− 1885.16	− 3.85	
		5.8	1850	9 23 25.03	1872.90	17.44	1869.04	3.86	
616	77 Virginis	7.0	1755	− 6 21 19.23	− 1883.46	+ 16.45	− 1883.57	+ 0.11	
		7.0	1850	6 51 0.95	1867.38	17.41	1867.43	0.05	
617	ζ Virginis	4.0	1755	+ 0 39 55.50	− 1874.57	+ 16.31	− 1878.70	− 4.13	− 0.10
		3.6	1850	+ 0 10 22.16	1858.65	17.20	1862.69	4.04	
			1900	− 0 5 5.00	1849.93	17.66	1853.91	3.98	
618	80 Virginis	6.0	1755	− 4 8 19.35	− 1870.11	+ 16.85	− 1876.96	+ 6.85	
		6.1	1850	4 37 48.21	1853.66	17.80	1860.50	6.84	
619	81 Virginis	7.5	1755	− 6 36 45.02	− 1875.01	+ 17.27	− 1870.73	− 4.28	
		7.3	1850	7 6 18.34	1858.15	18.23	1853.86	4.29	
620	m Virginis	5.5	1755	− 7 27 25.86	− 1853.78	+ 18.04	− 1857.79	+ 4.01	
		5.7	1850	7 56 38.64	1836.17	19.04	1840.18	4.01	
621	83 Virginis	6.0	1755	− 14 56 10.21	− 1852.39	+ 18.96	− 1849.26	− 3.13	
		6.0	1850	15 25 21.27	1833.89	19.99	1830.78	3.11	
622	85 Virginis	6.0	1755	− 14 31 33.03	− 1849.76	+ 19.09	− 1845.46	− 4.30	
		6.5	1850	15 0 41.54	1831.14	20.11	1826.80	4.34	
623	86 Virginis	6.0	1755	− 11 11 19.09	− 1843.83	+ 19.03	− 1843.79	− 0.04	
		5.9	1850	11 40 21.98	1825.28	20.03	1825.22	0.06	
624	87 Virginis	6.0	1755	− 16 37 20.34	− 1844.32	+ 19.63	− 1839.54	− 4.78	
		5.8	1850	17 6 23.42	1825.17	20.68	1820.41	4.76	
625	B. A. C. 4591	6.0	1850	− 8 57 15.2	. . . .	+ 20.14	− 1820.30	. . .	
626	88 Virginis	7.0	1755	− 5 36 13.04	− 1838.30	+ 19.18	− 1834.72	− 3.58	
		6.8	1850	6 5 10.62	1819.63	20.12	1816.03	3.60	
627	η Ursæ Majoris	2.5	1755	+ 50 32 39.21	− 1828.71	+ 15.15	− 1826.34	− 2.37	− 0.07
		2.0	1850	50 3 48.84	1814.11	15.59	1811.68	2.43	
			1900	49 48 43.74	1806.26	15.81	1803.79	2.47	
628	89 Virginis	5.5	1755	− 16 54 10.17	− 1835.92	+ 20.01	− 1830.82	− 5.10	
		5.4	1850	17 23 5.11	1816.42	21.05	1811.28	5.14	
629	B. A. C. 4647 (mean)	7.0	1755	− 6 50 33.32	− 1812.57	+ 20.33	− 1810.44	− 2.13	
		6.4	1850	7 19 5.95	1792.81	21.27	1790.56	2.25	
630	η Bootis	3.0	1755	+ 19 38 8.46	− 1843.22	+ 18.89	− 1807.15	−36.07	− 0.02
		3.0	1850	19 9 6.04	1824.94	19.60	1788.86	36.08	
			1900	18 53 56.03	1815.04	19.98	1778.95	36.09	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
631	W² 13ʰ 825 . .	1850	. .	13 47 51.9	. . . .	+ 1.150	+ 316.587	. . .	
632	β Centauri . . .	1850	. .	13 53 17.20	+ 414.47	+ 8.32	+ 415.50	— 1.03	
		1875	. .	13 55 1.07	416.56	8.40	417.59	1.03	
		1900	. .	13 56 45.48	418.67	8.47	419.70	1.03	
633	94 Virginis . . .	1755	5	13 53 21.442	+ 315.372	+ 1.104	+ 315.594	— 0.222	
		1850	35	13 58 21.550	316.438	1.141	316.660	0.222	
634	95 Virginis . . .	1755	5	13 53 47.368	+ 315.044	+ 1.124	+ 316.103	— 1.059	
		1850	20	13 58 47.173	316.130	1.162	317.189	1.059	
635	α Draconis .	1755	10	13 57 45.97	+ 161.69	+ 0.50	+ 162.36	— 0.67	
		1800	. .	13 58 58.79	161.92	0.50	162.58	0.66	
		1850	. .	14 0 19.82	162.17	0.50	162.83	0.66	
		1900	. .	14 1 40.97	162.43	0.50	163.07	0.64	
636	96 Virginis . . .	1755	5	13 55 59.370	+ 317.418	+ 1.197	+ 317.454	— 0.036	
		1850	5	14 1 1.460	318.567	1.221	318.598	0.031	
637	B. A. C. 4700 . .	1850	34	14 2 39.376	+ 326.485	+ 1.560	+ 326.205	+ 0.280	
638	97 Virginis . . .	1755	1	13 59 31.942	+ 317.587	+ 1.176	+ 317.236	+ 0.351	
		1850	6	14 4 34.185	318.720	1.208	318.367	0.353	
639	κ Virginis . . .	1755	5	13 59 51.625	+ 317.747	+ 1.195	+ 317.719	+ 0.028	
		1850	145	14 4 54.029	318.898	1.229	318.868	0.030	
640	B. A. C. 4720 . .	1755	2	14 1 37.353	+ 310.604	+ 0.973	+ 312.675	— 2.071	
		1850	3	14 6 32.870	311.543	1.004	313.619	2.076	
641	B. A. C. 4722 . .	1755	. .	14 1 56.718	+ 327.538	+ 1.640	+ 327.800	— 0.262	
		1850	20	14 7 8.625	329.114	1.678	329.381	0.267	
642	ι Virginis . . .	1755	5	14 3 11.881	+ 312.569	+ 1.013	+ 312.771	— 0.211	
		1850	28	14 8 9.276	313.538	1.045	313.735	0.197	
643	α Bootis	1755	. .	14 4 29.638	+ 273.209	+ 0.182	+ 281.190	— 7.981	+0.086
		1850	. .	14 8 49.275	273.402	0.224	281.291	7.889	
		1900	. .	14 11 6.005	273.520	0.249	281.357	7.837	
644	λ Virginis . . .	1755	5	14 5 53.608	+ 321.926	+ 1.367	+ 322.134	— 0.208	
		1850	121	14 11 0.059	323.239	1.397	323.449	0.210	
645	2 Libræ	1755	5	14 10 16.899	+ 320.273	+ 1.290	+ 320.448	— 0.175	
		1850	34	14 15 21.745	321.513	1.320	321.686	0.173	
646	B. A. C. 4772 . .	1755	. .	14 11 32.710	+ 320.211	+ 1.287	+ 320.515	— 0.304	
		1850	6	14 16 37.496	321.447	1.316	321.749	0.302	
647	θ Bootis	1755	4	14 16 51.097	+ 204.611	— 0.169	+ 207.219	— 2.608	+0.069
		1850	* 136	14 20 5.407	204.469	0.130	207.012	2.543	
		1900	. .	14 21 47.626	204.409	0.111	206.912	2.503	
648	106 Virginis . . .	1755	5	14 15 48.250	+ 314.344	+ 1.058	+ 314.567	— 0.223	
		1850	13	14 20 47.357	315.361	1.084	315.582	0.221	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
631	W² 13ʰ 825	6.8	1850	— 8 49 18.2	. . . .	+ 21.71	— 1787.57	. . .	
632	β Centauri	1.2	1850	— 59 38 45.35	— 1770.85	+ 29.37	— 1765.55	— 5.30	
			1875	59 46 7.14	1763.44	29.92	1758.13	5.31	
			1900	59 53 27.05	1755.88	30.47	1750.57	5.31	
633	94 Virginis	6.0	1755	— 7 42 36.88	— 1765.59	+ 22.64	— 1766.00	+ 0.41	
		6.8	1850	8 10 23.83	1743.63	23.61	1744.07	0.44	
634	95 Virginis	6.0	1755	— 8 7 58.48	— 1763.63	+ 22.63	— 1764.17	+ 0.54	
		6.0	1850	8 35 43.56	1741.69	23.55	1742.22	0.53	
635	α Draconis	3.5	1755	+ 65 33 12.43	— 1746.69	+ 12.30	— 1747.34	+ 0.65	
			1800	65 20 7.66	1741.15	12.42	1741.77	0.62	
		3.3	1850	65 5 38.66	1734.88	12.56	1735.48	0.60	
			1900	64 51 12.79	1728.58	12.70	1729.14	0.56	
636	96 Virginis	6.5	1755	— 9 9 40.23	— 1754.95	+ 23.20	— 1754.93	— 0.02	
		6.9	1850	9 37 16.82	1732.45	24.16	1732.43	0.02	
637	B. A. C. 4700	5.6	1850	— 15 35 26.83	— 1726.06	+ 25.05	— 1725.20	— 0.86	
638	97 Virginis	7.0	1755	— 8 44 6.37	— 1743.45	+ 23.86	— 1739.68	— 3.77	
		7.0	1850	9 11 31.74	1720.33	24.81	1716.59	3.74	
639	κ Virginis	4.0	1755	— 9 7 13.80	— 1725.80	+ 24.00	— 1738.28	+12.48	
		4.2	1850	9 34 22.32	1702.52	25.01	1715.10	12.58	
640	B. A. C. 4720	7.5	1755	— 4 47 45.08	— 1724.57	+ 23.52	— 1730.50	+ 5.93	
		6.7	1850	5 14 52.68	1701.80	24.41	1707.57	5.77	
641	B. A. C. 4722	. .	1755	— 17 2 41.05	— 1730.69	+ 25.12	— 1729.12	— 1.57	
		5.8	1850	17 29 53.70	1706.31	26.20	1704.82	1.49	
642	ι Virginis	4.0	1755	— 4 49 9.08	— 1766.07	+ 24.08	— 1723.48	—42.59	
		4.1	1850	5 16 55.87	1742.77	24.98	1700.16	42.61	
643	α Bootis	1.0	1755	+ 20 28 7.65	— 1916.81	+ 20.72	— 1717.61	—199.20	— 0.62
		1.0	1850	19 57 56.12	1896.84	21.34	1696.05	199.79	
			1900	19 42 10.38	1886.08	21.67	1685.99	200.09	
644	λ Virginis	4.0	1755	— 12 13 47.71	— 1709.70	+ 25.33	— 1711.28	+ 1.58	
		5.0	1850	12 40 40.33	1685.17	26.31	1686.82	1.65	
645	2 Libræ	6.0	1755	— 10 34 51.79	— 1698.59	+ 25.87	— 1690.90	— 7.69	
		6.5	1850	11 1 33.63	1673.56	26.82	1665.88	7.68	
646	B. A. C. 4772	7.5	1755	— 10 32 35.70	— 1689.44	+ 26.06	— 1684.88	— 4.56	
		6.6	1850	10 59 8.76	1664.23	27.02	1659.68	4.55	
647	θ Bootis	4.0	1755	+ 52 59 32.22	— 1699.69	+ 17.26	— 1659.23	—40.46	— 0.22
		4.0	1850	52 32 45.35	1683.14	17.59	1642.47	40.67	
			1900	52 18 45.99	1674.30	17.76	1633.53	40.77	
648	106 Virginis	6.0	1755	— 5 47 10.45	— 1671.67	+ 26.31	— 1664.39	— 7.28	
		5.9	1850	6 13 26.53	1646.25	27.20	1638.95	7.30	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
649	ρ Bootis	1755	5	14 21 15.916	+ 259.030	— 0.219	+ 259.687	— 0.657	
		1850	204	14 25 21.902	258.841	0.179	259.505	0.664	
		1900	. .	14 27 31.301	258.757	0.157	259.425	0.668	
650	5 Ursæ Minoris . .	1755	5	14 28 22.70	— 36.03	+13.46	— 36.57	+ 0.54	
		1800	. .	14 28 7.82	30.10	12.89	30.63	0.53	
		1850	. .	14 27 54.34	23.81	12.29	24.32	0.51	
		1900	. .	14 27 43.96	17.77	11.78	18.30	0.53	
651	α^2 Centauri . . .	1850	. .	14 29 27.77	+ 401.70	+ 7.32	+ 448.94	—47.24	—0.710
		1875	. .	14 31 8.43	403.53	7.36	450.95	47.42	
		1900	. .	14 32 49.54	405.37	7.40	452.98	47.61	
652	5 Libræ	1755	4	14 32 29.743	+ 327.980	+ 1.499	+ 328.217	— 0.237	
		1850	37	14 37 42.003	329.413	1.517	329.651	0.238	
653	ε Bootis	1755	4	14 34 17.151	+ 262.162	— 0.045	+ 262.428	— 0.266	—0.001
		1850	839	14 38 26.189	262.135	— 0.011	262.401	0.266	
		1900	. .	14 40 37.256	262.136	+ 0.016	262.405	0.269	
654	μ Libræ	1755	5	14 35 55.819	+ 326.016	+ 1.428	+ 326.598	— 0.582	
		1850	23	14 41 6.181	327.380	1.445	327.962	0.582	
655	α^1 Libræ	1755	7	14 37 10.919	+ 328.702	+ 1.530	+ 329.634	— 0.932	
		1850	61	14 42 23.880	330.165	1.550	331.097	0.932	
656	α^2 Libræ	1755	7	14 37 22.169	+ 328.884	+ 1.529	+ 329.732	— 0.848	+0.001
		1850	660	14 42 35.303	330.345	1.545	331.193	0.848	
		1900	. .	14 45 20.667	331.120	1.553	331.968	0.848	
657	B. A. C. 4896 . .	1755	1	14 37 55.766	+ 332.202	+ 1.635	+ 332.601	— 0.399	
		1850	22	14 43 12.098	333.763	1.651	334.160	0.397	
658	10 Libræ	1755	3	14 38 9.670	+ 333.170	+ 1.659	+ 333.568	— 0.398	
		1850	3	14 43 26.932	334.753	1.674	335.151	0.398	
659	12 Libræ	1755	4	14 40 9.788	+ 344.606	+ 2.065	+ 344.633	— 0.027	
		1850	14	14 45 38.097	346.573	2.078	346.597	0.024	
660	ξ^1 Libræ	1755	5	14 41 7.165	+ 323.077	+ 1.310	+ 323.622	— 0.545	
		1850	11	14 46 14.681	324.328	1.325	324.875	0.547	
661	ξ^2 Libræ	1755	5	14 43 30.762	+ 322.974	+ 1.283	+ 323.066	— 0.092	
		1850	80	14 48 38.169	324.200	1.300	324.298	0.098	
662	B. A. C. 4923 . .	1755	. .	. . . . .	. . . .	+ 1.881	+ 339.320	. . .	
		1850	13	14 48 42.8	. . . .	2.049	341.164	. . .	
663	17 Libræ	1755	4	14 44 59.173	+ 324.271	+ 1.276	+ 322.792	+ 1.479	
		1850	3	14 50 7.808	325.490	1.291	324.008	1.482	
664	18 Libræ	1755	5	14 45 40.629	+ 322.079	+ 1.276	+ 322.826	— 0.747	
		1850	3	14 50 47.182	323.298	1.291	324.043	0.745	
665	β Ursæ Minoris . .	1755	6	14 51 42.50	— 37.51	+11.24	— 36.78	— 0.73	
		1800	. .	14 51 26.78	32.51	10.86	31.79	0.72	
		1850	. .	14 51 11.87	27.18	10.45	26.47	0.71	
		1900	. .	14 50 59.57	— 22.03	+10.06	— 21.35	— 0.68	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
649	ρ Bootis	4.0	1755	+ 31 27 31.54	— 1626.92	+ 22.54	— 1637.20	+10.28	
		3.7	1850	31 1 56.23	1605.26	23.06	1615.55	10.29	
			1900	30 48 36.49	1593.66	23.33	— 1603.95	10.29	
650	5 Ursæ Minoris	4.0	1755	+ 76 47 6.13	— 1598.89	— 2.44	— 1600.43	+ 1.54	
			1800	76 35 6.38	1599.88	1.91	1601 44	1.56	
		4.7	1850	76 21 46.22	1600.69	1.36	1602.27	1.58	
			1900	76 8 25.73	1601.24	0.84	1602.84	1.60	
651	a^2 Centauri	0.7	1850	— 60 12 45.01	— 1550.52	+ 32.06	— 1994.02	+43.50	— 4.30
			1875	60 19 11.63	1542.45	32.51	1584.91	42.46	
			1900	60 25 36.22	1534.27	32.96	1575.65	41.38	
652	5 Libræ	6.0	1755	— 14 24 39.56	— 1579.32	+ 30.20	— 1578.43	— 0.89	
		6.6	1850	14 49 26.13	1550.17	31.16	1549.28	0.89	
653	ε Bootis	3.0	1755	+ 28 7 11.23	— 1567.66	+ 24.50	— 1568.74	+ 1.08	— 0.02
		2.3	1850	27 42 33.09	1544.14	25.02	1545.17	1.03	
			1900	27 29 44.15	1531.56	25.28	1532.57	1.01	
654	μ Libræ	5.5	1755	— 13 6 43.74	— 1562.83	+ 30.54	— 1559.70	— 3.13	
		5.7	1850	13 31 14.51	1533.37	31.48	1530.17	3.20	
655	ι^1 Libræ	6.0	1755	— 14 57 43.72	— 1560.92	+ 31.08	— 1552.78	— 8.14	
		6.3	1850	15 22 12.43	1530.96	32.03	1522.83	8.13	
656	a^2 Libræ	3.0	1755	— 15 0 26.87	— 1559.53	+ 31.04	— 1551.74	— 7.79	— 0.06
		3.0	1850	15 24 54.27	1529.59	31.99	1521.75	7.84	
			1900	15 37 35.05	1513.47	32.49	1505.59	7.88	
657	B. A. C. 4896	6.0	1755	— 16 45 18.33	— 1560.01	+ 31.44	— 1548.60	—11.41	
		6.6	1850	17 9 46.00	1529.67	32.43	1518.27	11.40	
658	10 Libræ	7.0	1755	— 17 19 45.14	— 1548.15	+ 31.57	— 1547.33	— 0.82	
		6.5	1850	17 44 1.48	1517.69	32.56	1516.84	0.85	
659	12 Libræ	6.0	1755	— 23 37 19.94	— 1541.78	+ 33.00	— 1536.12	— 5.66	
		5.8	1850	24 1 29.58	1509.92	34.08	1504.26	5.66	
660	ξ^1 Libræ	6.0	1755	— 10 52 55.52	— 1533.18	+ 31.08	— 1530.72	— 2.46	
		6.1	1850	11 16 57.88	1503.23	31.98	1500.72	2.51	
661	ξ^2 Libræ	5.0	1755	— 10 24 15.41	— 1517.86	+ 31.48	— 1517.09	— 0.77	
		5.7	1850	10 48 3.04	1487.53	32.37	1486.75	0.78	
662	B. A. C. 4923	. .	1755	— 20 17 40.08	— 1684.03	+ 34.30	— 1518.76	—165.27	
		7.3	1850	20 44 4.27	1650.92	35.40	1486.30	164.62	
663	17 Libræ	7.0	1755	— 10 9 14.79	— 1510.93	+ 31.98	— 1508.61	— 2.32	
		7.2	1850	10 32 55.60	1480.12	32.88	1478.12	2.00	
664	18 Libræ	7.0	1755	— 10 8 31.71	— 1513.63	+ 31.66	— 1504.62	— 9.01	
		6.3	1850	10 32 15.24	1483.13	32.54	1474.04	9.09	
665	β Ursæ Minoris	3.0	1755	+ 75 9 23.15	— 1468.65	— 3.17	— 1469.17	+ 0.52	
			1800	74 58 21.96	1469.97	2.66	1470.46	0.49	
		2.0	1850	74 46 6.67	1471.14	2.13	1471.60	0.46	
			1900	+ 74 33 50.85	— 1472.09	— 1.62	— 1472.52	+ 0.43	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
666	γ Scorpii	1755	5	14 49 47.383	+ 347.132	+ 2.081	+ 347.762	— 0.630	
		1850	52	14 55 18.099	349.112	2.088	349.741	0.629	
667	β Bootis	1755	4	14 52 43.067	+ 226.016	— 0.025	+ 226.391	— 0.375	+0.005
		1850	151	14 56 17.775	226.005	+ 0.001	226.369	0.364	
		1900	. .	14 58 10.778	226.009	+ 0.016	226.372	0.363	
668	ν^1 Libræ	1755	5	14 53 0.366	+ 331.623	+ 1.522	+ 332.052	— 0.429	
		1850	18	14 58 16.096	333.073	1.531	333.501	0.428	
669	ν^2 Libræ	1755	5	14 53 11.216	+ 331.826	+ 1.532	+ 332.468	— 0.642	
		1850	16	14 58 27.142	333.285	1.540	333.927	0.642	
670	ι^1 Libræ	1755	5	14 58 18.339	+ 338.627	+ 1.708	+ 339.043	— 0.416	
		1850	89	15 3 40.804	340.252	1.713	340.663	0.411	
671	ι^2 Libræ	1755	5	14 59 24.687	+ 338.506	+ 1.693	+ 338.942	— 0.436	
		1850	7	15 4 47.032	340.116	1.698	340.516	0.430	
672	26 Libræ	1755	4	15 0 46.977	+ 335.496	+ 1.586	+ 335.715	— 0.219	
		1850	4	15 6 6.415	337.004	1 589	337.222	0.218	
673	β Libræ	1755	10	15 3 51.375	+ 320.595	+ 1.181	+ 321.303	— 0.708	—0.001
		1850	734	15 8 56.473	321.716	1.178	322.420	0.704	
		1900	. .	15 11 37.478	322.305	1.179	323.011	0.706	
674	28 Libræ	1755	2	15 7 2.920	+ 337.123	+ 1.596	+ 337.254	— 0.131	
		1850	20	15 12 23.908	338.640	1.598	338.766	0.126	
675	o^1 Libræ	1755	5	15 7 21.983	+ 332.688	+ 1.449	+ 332.498	+ 0.190	
		1850	5	15 12 38.690	334.065	1.449	333.876	0.189	
676	o^2 Libræ	1755	5	15 9 24.323	+ 331.868	+ 1.421	+ 331.968	— 0.100	
		1850	66	15 14 40.239	333.219	1.424	333.319	0.100	
677	B. A. C. 5070	1850	8	15 15 38.822	+ 328.054	+ 1.294	+ 328.286	— 0.232	
678	μ^1 Bootis	1755	5	15 15 14.291	+ 226.458	+ 0.114	+ 227.649	— 1.191	—0.004
		1850	144	15 18 49.479	226.571	0.123	227.769	1.198	
		1900	. .	15 20 42.781	226.637	0.142	227.837	1.200	
679	ζ^1 Libræ	1755	5	15 14 28.904	+ 335.483	+ 1.495	+ 335.480	+ 0.003	
		1850	104	15 19 48.285	336.901	1.491	336.893	0.008	
680	γ^2 Ursæ Minoris	1755	. .	15 21 19.34	— 23.73	+ 8.02	— 23.69	— 0.04	
		1800	. .	15 21 9.46	20.17	7.82	20.12	0.05	
		1850	. .	15 21 0.34	16.32	7.60	16.27	0.05	
		1900	. .	15 20 53.12	12.58	7.39	12.51	0.07	
681	ζ^2 Libræ	1755	5	15 15 45.875	+ 336.370	+ 1.516	+ 337.020	— 0.650	
		1850	2	15 21 6.110	337.807	1.511	338.460	0.653	
682	ζ^3 Libræ	1755	5	15 16 53.588	+ 335.660	+ 1.478	+ 335.562	+ 0.098	
		1850	13	15 22 13.132	337.064	1.478	336.962	0.102	
683	B. A. C. 5109	1850	17	15 24 0.262	+ 343.124	+ 1.625	+ 343.271	— 0.147	
684	ζ^4 Libræ	1755	5	15 19 7.244	+ 336.091	+ 1.480	+ 336.290	— 0.199	
		1850	17	15 24 27.197	337.494	1.474	337.688	0.194	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
666	γ Scorpii	3.5	1755	+ 24 18 3.62	— 1485.64	+ 34.75	— 1480.56	— 5.08	
		3.5	1850	24 41 19.14	1452.12	35.82	1446.97	5.15	
667	β Bootis	3.0	1755	+ 41 22 8.63	— 1467.61	+ 23.15	— 1463.13	— 4.48	— 0.04
		3.0	1850	40 59 4.90	1445.46	23.50	1440.94	4.52	
			1900	40 47 5.12	1433.66	23.68	1429.12	4.54	
668	ν¹ Libræ	6.0	1755	— 15 17 20.15	— 1465.94	+ 33.73	— 1461.41	— 4.53	
		5.5	1850	15 40 17.43	1433.45	34.67	1428.87	4.58	
669	ν² Libræ	6.5	1755	— 15 31 4.58	— 1463.17	+ 33.76	— 1460.32	— 2.85	
		6.9	1850	15 53 59.21	1430.65	34.69	1427.74	2.91	
670	ι¹ Libræ	5.5	1755	— 18 50 46.15	— 1434.36	+ 35.37	— 1429.25	— 5.11	
		5.0	1850	19 13 12.68	1400.27	36.41	1395.25	5.02	
671	ι² Libræ	6.5	1755	— 18 42 25.38	— 1425.72	+ 35.40	— 1422.42	— 3.30	
		6.5	1850	19 4 43.70	1391.64	36.36	1388.28	3.36	
672	26 Libræ	7.0	1755	— 16 50 6.43	— 1416.66	+ 35.31	— 1413.92	— 2.74	
		6.5	1850	17 12 16.17	1382.63	36.34	1379.92	2.71	
673	β Libræ	2.5	1755	— 8 27 40.58	— 1397.71	+ 34.17	— 1394.72	— 2.99	— 0.07
		3.1	1850	8 49 32.87	1364.87	34.97	1361.80	3.07	
			1900	9 0 50.92	1347.29	35.39	1344.18	3.11	
674	28 Libræ	6.0	1755	— 17 14 58.23	— 1383.44	+ 36.50	— 1374.49	— 8.95	
		6.0	1850	17 36 35.90	1348.31	37.47	1339.44	8.87	
675	ο¹ Libræ	7.0	1755	14 38 47.44	— 1370.04	+ 36.01	— 1372.46	+ 2.42	
		6.4	1850	15 0 12.59	1335.40	36.90	1337.84	2.44	
676	ο² Libræ	6.0	1755	— 14 14 25.54	— 1359.55	+ 36.23	— 1359.41	— 0.14	
		7.0	1850	14 35 40.65	1324.70	37.13	1324.58	0.12	
677	B. A. C. 5070	6.2	1850	— 11 49 48.61	— 1319.79	+ 36.61	— 1318.15	— 1.64	
678	μ¹ Bootis	4.0	1755	+ 38 14 56.29	— 1312.43	+ 25.34	— 1321.40	+ 8.97	— 0.11
		4.0	1850	37 54 20.97	1288.20	25.67	1297.07	8.87	
			1900	37 43 40.09	1275.32	25.83	1284.13	8.81	
679	ζ¹ Libræ	6.0	1755	— 15 50 33.86	— 1331.53	+ 37.42	— 1326.40	— 5.13	
		5.9	1850	16 11 21.82	1295.56	38.31	1290.50	5.06	
680	γ² Ursæ Minoris	5.5	1755	+ 72 42 19.77	— 1279.06	— 2.12	— 1280.84	+ 1.78	
			1800	72 32 43.99	1279.94	1.72	1281.71	1.77	
		3.0	1850	72 22 3.83	1280.67	1.28	1282.44	1.77	
			1900	72 11 23.34	1281.21	0.84	1282.98	1.77	
681	ζ² Libræ	7.5	1755	— 16 34 34.13	— 1317.89	+ 37.50	— 1317.91	+ 0.02	
		7.0	1850	16 55 9.08	1281.85	38.38	1281.77	— 0.08	
682	ζ³ Libræ	6.0	1755	— 15 44 56.84	— 1312.52	+ 37.72	— 1310.45	— 2.07	
		6.0	1850	16 5 26.57	1276.24	38.66	1274.27	1.97	
683	B. A. C. 5109	6.2	1850	— 19 9 19.56	— 1264.92	+ 39.43	— 1262.18	— 2.74	
684	ζ⁴ Libræ	6.0	1755	— 16 0 7.21	— 1299.09	+ 38.10	— 1295.63	— 3.46	
		5.8	1850	16 20 24.00	1262.47	39.00	1259.11	3.36	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
685	γ Libræ	1755	5	15 21 51.474	+ 333.101	+ 1.368	+ 332.629	+ 0.472	
		1850	64	15 27 8.536	334.397	1.361	333.927	0.470	
686	α Coronæ Borealis	1755	10	15 24 19.267	+ 253.615	+ 0.220	+ 252.698	+ 0.917	+0.002
		1850	. .	15 28 20.303	253.832	0.237	252.914	0.918	
		1900	. .	15 30 27.249	253.952	0.244	253.036	0.916	
687	41 Libræ	1755	3	15 24 50.857	+ 342.446	+ 1.587	+ 341.832	+ 0.614	
		1850	7	15 30 16.895	343.948	1.576	343.329	0.619	
688	42 Libræ	1755	2	15 25 50.957	+ 351.188	+ 1.825	+ 351.411	— 0.223	
		1850	26	15 31 25.405	352.912	1.806	353.137	0.225	
689	κ Libræ	1755	5	15 27 52.603	+ 342.550	+ 1.591	+ 343.004	— 0.454	
		1850	34	15 33 18.741	344.056	1.579	344.497	0.441	
690	B. A. C. 5188	1850	13	15 35 0.7	. . . .	+ 1.351	+ 335.180	. . .	
691	B. A. C. 5197	1850	6	15 36 53.6	. . . .	+ 1.822	+ 356.023	. . .	
692	η Libræ	1755	5	15 30 19.691	+ 334.933	+ 1.386	+ 335.209	— 0.276	
		1850	40	15 35 38.499	336.244	1.375	336.514	0.270	
693	α Serpentis	1755	10	15 32 13.070	+ 294.342	+ 0.607	+ 293.466	+ 0.876	—0.004
		1850	. .	15 36 52.970	294.920	0.612	294.047	0.873	
		1900	. .	15 39 20.506	295.226	0.613	294.360	0.866	
694	b Scorpii	1755	2	15 36 18.092	+ 356.943	+ 1.875	+ 357.471	— 0.528	
		1850	15	15 41 58.030	358.712	1.850	359.238	0.526	
695	ϵ Serpentis	1755	5	15 38 37.301	+ 297.833	+ 0.650	+ 297.003	+ 0.830	—0.005
		1850	228	15 43 20.536	298.452	0.650	297.631	0.821	
		1900	. .	15 45 49.843	298.778	0.653	297.958	0.820	
696	A Scorpii (2d star)	1755	3	15 38 57.379	+ 356.572	+ 1.829	+ 356.942	— 0.370	
		1850	22	15 44 36.943	358.297	1.803	358.666	0.369	
697	λ Libræ	1755	5	15 39 9.334	+ 345.285	+ 1.548	+ 345.513	— 0.228	
		1850	23	15 44 38.050	346.746	1.528	346.972	0.226	
698	B. A. C. 5253	1755	1	15 39 18.850	+ 354.953	+ 1.780	+ 355.180	— 0.227	
		1850	10	15 44 56.854	356.632	1.754	356.858	0.226	
699	B. A. C. 5254	1850	8	15 45 0.782	+ 355.266	+ 1.721	+ 355.579	— 0.313	
*700	B. A. C. 5255	1850	. .	15 45 12.2	. . . .	+ 1.799	+ 358.956	. . .	
701	θ Libræ	1755	4	15 39 54.862	+ 338.981	+ 1.370	+ 338.387	+ 0.594	
		1850	57	15 45 17.509	340.273	1.351	339.683	0.590	
702	3 Scorpii	1755	1	15 40 0.123	+ 356.692	+ 1.816	+ 356.913	— 0.221	
		1850	6	15 45 39.796	358.404	1.789	358.634	0.230	
703	47 Libræ	1755	2	15 40 53.374	+ 343.798	+ 1.500	+ 344.053	— 0.255	
		1850	5	15 46 20.656	345.213	1.479	345.465	0.252	
704	4 Scorpii	1755	1	15 40 44.802	+ 359.077	+ 1.872	+ 359.425	— 0.348	
		1850	10	15 46 26.765	360.841	1.842	361.194	0.353	

*No. 700. There is some doubt respecting the existence of this star.

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
685	γ Libræ	4.5	1755	− 13 57 10.35	− 1277.52	+ 38.07	− 1277.21	− 0.31	
		4.4	1850	14 17 6.68	1240.96	38.91	1240.70	0.26	
686	α Coronæ Borealis	2.0	1755	+ 27 33 14.97	− 1270.62	+ 29.45	− 1260.52	−10.10	+ 0.11
		2.0	1850	27 13 21.23	1242.45	29.85	1232.45	10.00	
			1900	27 3 3.75	1227.52	30.05	1217.58	9.94	
687	41 Libræ	6.0	1755	− 18 28 29.80	− 1264.39	+ 39.55	− 1256.94	− 7.45	
		5.9	1850	18 48 12.99	1226.39	40.44	1219.00	7.39	
688	42 Libræ	5.5	1755	− 23 0 1.15	− 1253.47	+ 40.66	− 1250.12	− 3.35	
		5.7	1850	23 19 33.41	1214.38	41.64	1211.05	3.33	
689	κ Libræ	5.0	1755	− 18 51 50.65	− 1247.56	+ 39.97	− 1236.17	−11.39	
		5.5	1850	19 11 17.65	1209.20	40.80	1197.84	11.36	
690	B. A. C. 5188	6.6	1850	− 14 33 27.71	− 1196.09	+ 39.94	− 1185.87	−10.22	
691	B. A. C. 5197	6.0	1850	− 24 14 27.4	- - - -	+ 42.64	− 1172.55	- - -	
692	η Libræ	4.5	1755	− 14 52 18.79	− 1226.55	+ 39.52	− 1219.23	− 7.32	
		5.9	1850	15 11 26.06	1188.59	40.41	1181.36	7.23	
693	α Serpentis	2.5	1755	+ 7 12 50.82	− 1202.73	+ 34.95	− 1205.99	+ 3.26	+ 0.11
		2.6	1850	6 54 4.08	1169.26	35.51	1172.62	3.36	
			1900	6 44 23.90	1151.44	35.79	1154.86	3.42	
694	b Scorpii	5.0	1755	− 24 59 1.36	− 1183.26	+ 42.61	− 1177.22	− 6.04	
		5.3	1850	25 17 26.08	1142.33	43.55	1136.24	6.09	
695	ϵ Serpentis	3.0	1755	+ 5 13 58.35	− 1154.05	+ 36.07	− 1160.73	+ 6.68	+ 0.11
		3.7	1850	4 55 58.36	1119.52	36.62	1126.30	6.78	
			1900	4 46 43.19	1101.14	36.92	1107.98	6.84	
696	A Scorpii (2d star)	5.0	1755	− 24 34 24.20	− 1162.18	+ 42.93	− 1158.34	− 3.84	
		5.2	1850	24 52 28.76	1120.96	43.85	1117.06	3.90	
697	λ Libræ	5.0	1755	− 19 24 47.28	− 1160.51	+ 41.63	− 1156.91	− 3.60	
		5.5	1850	19 42 50.85	1120.57	42.47	1116.93	3.64	
698	B. A. C. 5253	6.0	1755	− 23 46 51.61	− 1158.87	+ 42.90	− 1155.82	− 3.05	
		5.8	1850	24 4 53.06	1117.68	43.83	1114.65	3.03	
699	B. A. C. 5254	5.8	1850	− 23 31 35.69	− 1115.89	+ 43.54	− 1114.16	− 1.73	
700	B. A. C. 5255	6.0	1850	− 24 57 37.5	- - - -	+ 44.04	− 1112.80	- - -	
701	θ Libræ	4.5	1755	− 15 59 20.24	− 1140.08	+ 41.26	− 1151.51	+11.43	
		4.8	1850	16 17 4.57	1100.48	42.07	1112.15	11.67	
702	3 Scorpii	6.0	1755	− 24 29 42.80	− 1153.62	+ 43.09	− 1150.82	− 2.80	
		6.7	1850	24 47 39.15	1112.25	44.00	1109.46	2.79	
703	47 Libræ	7.0	1755	− 18 38 15.52	− 1147.86	+ 41.66	− 1144.47	− 3.39	
		6.4	1850	18 56 7.07	1107.90	42.48	1104.46	3.44	
704	4 Scorpii	6.5	1755	− 25 31 17.08	− 1149.19	+ 43.46	− 1145.48	− 3.71	
		6.3	1850	25 49 9.06	1107.47	44.38	1103.73	3.74	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
705	ζ Ursæ Minoris	1755	- -	15 53 22.50	− 253.11	+21.49	− 254.41	+ 1.30	
		1800	- -	15 51 30.74	243.75	21.04	245.04	1.29	
		1850	- -	15 49 31.57	233.16	20.51	234.43	1.27	
		1900	- -	15 47 37.54	223.02	20.00	224.28	1.26	
706	π Scorpii	1755	5	15 44 4.931	+ 359.439	+ 1.838	+ 359.634	− 0.195	
		1850	20	15 49 47.225	361.174	1.814	361.361	0.187	
707	48 Libræ	1755	3	15 44 30.328	+ 333.539	+ 1.254	+ 333.766	− 0.227	
		1850	15	15 49 47.753	334.723	1.239	334.949	0.226	
708	ε Coronæ Borealis	1755	4	15 47 27.108	+ 247.928	+ 0.286	+ 248.435	− 0.507	+0.003
		1850	57	15 51 22.770	248.204	0.296	248.707	0.503	
		1900	- -	15 53 26.909	248.354	0.303	248.861	0.507	
709	δ Scorpii	1755	5	15 45 53.486	+ 351.708	+ 1.630	+ 351.829	− 0.121	
		1850	158	15 51 28.339	353.242	1.598	353.362	0.120	
		1900	- -	15 54 25.159	354.038	1.582	354.156	0.118	
710	49 Libræ	1755	2	15 46 36.766	+ 334.235	+ 1.390	+ 338.606	− 4.371	
		1850	17	15 51 54.914	335.545	1.368	339.871	4.326	
711	B. A. C. 5314	1850	5	15 54 17.201	+ 361.142	+ 1.750	+ 361.458	− 0.316	
712	β^1 Scorpii	1755	10	15 51 13.855	+ 346.151	+ 1.457	+ 346.222	0.071	
		1850	492	15 56 43.350	347.519	1.429	347.592	0.073	
		1900	- -	15 59 37.287	348.229	1.411	348.301	0.072	
713	ω^1 Scorpii	1755	5	15 52 31.044	+ 348.126	+ 1.487	+ 348.306	− 0.180	
		1850	16	15 58 2.430	349.525	1.459	349.701	0.176	
714	ω^2 Scorpii	1755	5	15 53 4.735	+ 349.023	+ 1.494	+ 348.822	+ 0.201	
		1850	62	15 58 36.977	350.429	1.467	350.225	0.204	
715	Lal. 29314	1850	- -	15 58 42.7	- - - -	+ 1.178	+ 335.236	- - -	
716	B. A. C. 5347	1850	10	15 58 59.598	+ 364.106	+ 1.719	+ 363.312	+ 0.794	
717	σ^1 Scorpii	1755	1	15 57 10.800	+ 367.159	+ 1.860	+ 367.523	− 0.364	
		1850	7	16 3 0.432	368.904	1.815	369.264	0.360	
718	σ^2 Scorpii	1755	1	15 57 15.839	+ 366.070	+ 1.828	+ 366.287	− 0.217	
		1850	17	16 3 4.424	367.786	1.784	368.001	0.215	
719	ν^2 Scorpii	1755	5	15 57 47.760	+ 345.987	+ 1.387	+ 346.188	− 0.201	
		1850	78	16 3 17.068	347.292	1.361	347.525	0.233	
720	B. A. C. 5395	1755	- -	15 59 18.630	+ 349.991	+ 1.475	+ 350.818	− 0.827	
		1850	12	16 4 51.782	351.376	1.441	352.205	0.829	
721	Groombridge 2320	1755	- -	16 5 46.03	+ 8.43	+ 4.21	+ 9.39	− 0.96	
		1800	- -	16 5 50.24	10.32	4.16	11.29	0.97	
		1850	- -	16 5 55.91	12.37	4.08	13.35	0.98	
		1900	- -	16 6 2.60	14.40	4.01	15.39	0.99	
722	ϑ Ophiuchi	1755	5	16 1 31.764	+ 312.842	+ 0.842	+ 313.183	− 0.341	+0.007
		1850	699	16 6 29.342	313.636	0.830	313.967	0.331	
		1900	- -	16 9 6.264	314.050	0.824	314.379	0.329	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
705	ζ Ursæ Minoris	4.0	1755	+ 78 32 6.19	— 1053.38	— 30.86	— 1053.03	— 0.35	
			1800	78 24 9.08	1066.96	29.50	1066.68	0.28	
		4.5	1850	78 15 11.97	1081.33	28.03	1081.13	0.20	
			1900	78 6 7.86	1094.98	26.60	1094.86	0.12	
706	π Scorpii	3.5	1755	— 25 23 8.66	— 1125.98	+ 44.06	— 1121.40	— 4.58	
		3.4	1850	25 40 38.33	1083.70	44.97	1079.20	4.50	
707	48 Libræ	5.0	1755	— 13 33 4.39	— 1122.20	+ 40.85	— 1118.32	— 3.88	
		5.4	1850	13 50 31.94	1083.04	41.60	1079.14	3.90	
708	ε Coronæ Borealis	4.5	1755	+ 27 36 9.05	— 1102.96	+ 30.77	— 1096.85	— 6.11	— 0.03
		4.0	1850	27 18 55.17	1073.57	31.11	1067.43	6.14	
			1900	27 10 2.28	1057.97	31.29	1051.81	6.16	
709	δ Scorpii	3.0	1755	— 21 54 7.77	— 1111.90	+ 43.31	— 1108.27	— 3.63	— 0.02
		2.3	1850	22 11 24.42	1070.38	44.08	1066.73	3.65	
			1900	22 20 14.08	1048.24	44.49	1044.59	3.65	
710	49 Libræ	5.5	1755	— 15 47 27.45	— 1141.78	+ 40.74	— 1102.94	—38.84	
		5.9	1850	16 5 13.64	1102.72	41.50	1063.46	39.26	
711	B. A. C. 5314	5.7	1850	— 25 26 31.76	— 1048.59	+ 45.37	— 1045.78	— 2.81	
712	β^1 Scorpii	2.0	1755	— 19 6 45.40	— 1072.76	+ 43.23	— 1068.97	— 3.79	— 0.02
		2.5	1850	19 23 24.90	1031.35	43.94	1027.56	3.79	
			1900	19 31 55.06	1009.29	44.32	1005.48	3.81	
713	ω^1 Scorpii	4.5	1755	— 19 58 59.26	— 1063.40	+ 43.56	— 1059.42	— 3.98	
		4.6	1850	20 15 29.71	1021.64	44.36	1017.62	4.02	
714	ω^2 Scorpii	4.5	1755	— 20 11 2.56	— 1062.10	+ 43.91	— 1055.27	— 6.83	
		4.6	1850	20 27 31.62	1020.02	44.70	1013.30	6.72	
715	Lal. 29314	6.8	1850	— 13 39 49.8	. . . .	+ 42.65	— 1012.56	. . .	
716	B. A. C. 5347	6.0	1850	— 25 55 13.74	— 999.09	+ 46.42	— 1010.45	+11.36	
717	c^1 Scorpii	6.0	1755	— 27 45 20.47	— 1030.85	+ 46.45	— 1024.50	— 6.35	
		6.1	1850	28 1 18 68	986.30	47.33	979.94	6.36	
718	c^2 Scorpii	5.0	1755	— 27 16 0.14	— 1027.48	+ 46.34	— 1023.94	— 3.54	
		5.3	1850	27 31 55.21	983.04	47.21	979.43	3.61	
719	ν^2 Scorpii	4.0	1755	— 18 48 5.24	— 1024.29	+ 44.13	— 1019.95	— 4.34	
		4.5	1850	19 3 58.28	982.05	44.78	977.83	4.22	
720	B. A. C. 5395	. .	1755	— 20 45 9.16	— 1005.57	+ 44.63	— 1008.51	+ 2.94	
		7.0	1850	21 0 44.22	962.81	45.40	965.74	2.93	
721	Groombridge 2320	. .	1755	+ 68 27 24.09	— 952.14	+ 1.37	— 959.19	+ 7.05	
			1800	68 20 15.76	951.48	1.61	958.47	6.99	
		5.7	1850	68 12 20.22	950.60	1.87	957.53	6.93	
			1900	68 4 25.17	949.60	2.16	956.41	6.81	
722	δ Ophiuchi	3.0	1755	— 3 2 36.92	— 1005.90	+ 40.08	— 991.62	—14.28	— 0.05
		2.7	1850	3 18 14.36	967.57	40.61	953.24	14.33	
			1900	3 26 13.06	947.19	40.89	932.84	14.35	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
723	W^2 16^h 140	1850	. .	16 7 23.8	. . . .	+ 1.154	+ 337.598	. . .	
724	B. A. C. 5429	1850	3	16 9 0.281	+ 370.403	+ 1.770	+ 370.721	— 0.318	
725	19 Scorpii	1755	3	16 5 56.293	+ 358.007	+ 1.545	+ 358.236	— 0.229	
		1850	18	16 11 37.090	359.455	1.504	359.684	0.229	
726	σ Scorpii	1755	5	16 6 20.507	+ 361.586	+ 1.608	+ 361.811	— 0.225	
		1850	76	16 12 4.733	363.094	1.566	363.319	0.225	
727	τ Herculis	1755	. .	16 12 23.416	+ 179.408	+ 0.521	+ 179.487	— 0.079	—0.002
		1850	159	16 15 14.087	179.900	0.516	179.977	0.077	
		1900	. .	16 16 44.101	180.157	0.512	180.232	0.075	
728	ψ Ophiuchi	1755	5	16 9 48.077	+ 348.690	+ 1.334	+ 348.855	— 0.165	
		1850	40	16 15 19.928	349.939	1.297	350.101	0.162	
729	ρ Ophiuchi (south star)	1755	5	16 10 56.129	+ 356.948	+ 1.467	+ 357.124	— 0.176	
		1850	11	16 16 35.885	358.322	1.425	358.492	0.170	
730	χ Ophiuchi	1755	5	16 12 51.584	+ 345.296	+ 1.294	+ 345.515	— 0.219	
		1850	28	16 18 20.186	346.483	1.204	346.675	0.192	
731	α Scorpii	1755	20	16 14 25.669	+ 364.953	+ 1.573	+ 365.085	— 0.132	+0.002
		1850	520	16 20 13.076	366.423	1.521	366.550	0.127	
		1900	. .	16 23 16.476	367.176	1.491	367.306	0.130	
732	22 Scorpii	1755	5	16 15 21.776	+ 361.736	+ 1.500	+ 361.846	— 0.110	
		1850	16	16 21 6.095	363.137	1.450	363.243	0.106	
733	η Draconis	1755	. .	16 20 43.073	+ 78.139	+ 1.875	+ 77.952	+ 0.187	—0.020
		1850	264	16 21 58.144	79.909	1.851	79.757	0.152	
		1900	. .	16 22 38.329	80.828	1.824	80.691	0.137	
734	ϕ Ophiuchi	1755	5	16 17 8.855	+ 341.268	+ 1.146	+ 341.682	— 0.414	
		1850	30	16 22 33.572	342.341	1.112	342.751	0.410	
735	ω Ophiuchi	1755	5	16 17 38.966	+ 353.218	+ 1.314	+ 353.112	+ 0.106	
		1850	26	16 23 15.108	354.445	1.271	354.343	0.102	
736	β Herculis	1755	5	16 19 41.845	+ 257.260	+ 0.362	+ 257.946	— 0.686	
		1850	48	16 23 46.405	257.604	0.363	258.289	0.685	
		1900	. .	16 25 55.252	257.786	0.364	258.473	0.687	
737	τ Scorpii	1755	5	16 20 40.296	+ 370.688	+ 1.556	+ 370.687	+ 0.001	
		1850	46	16 26 33.148	372.155	1.532	372.166	— 0.011	
738	A Draconis	1755	. .	16 28 34.13	— 19.08	+ 4.23	— 19.17	+ 0.09	
		1800	. .	16 28 25.96	17.18	4.18	17.27	0.09	
		1850	. .	16 28 17.89	15.11	4.13	15.19	0.08	
		1900	. .	16 28 10.85	13.07	4.05	13.14	0.07	
739	ζ Ophiuchi	1755	5	16 23 41.529	+ 328.711	+ 0.906	+ 328.637	+ 0.074	—0.003
		1850	199	16 28 54.209	329.559	0.879	329.489	0.070	
		1900	. .	16 31 39.098	329.995	0.863	329.928	0.067	
740	α Trianguli Australis	1850	. .	16 32 50.05	+ 626.32	+ 9.32	+ 626.32	0.00	
		1875	. .	16 35 26.92	628.62	9.13	628.62	0.00	
		1900	. .	16 38 4.36	630.88	8.92	630.87	+ 0.01	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
723	W² 16h 140 . .	6.3	1850	— 14 28 8.5	. . . .	+ 43.83	— 946.26	. . .	
724	B. A. C. 5429 . .	6.0	1850	— 28 14 8.26	— 945.53	+ 48.18	— 933.80	—11.73	
725	19 Scorpii	5.5	1755	— 23 33 15.20	— 964.36	+ 46.33	— 957.87	— 6.49	
		5.1	1850	23 48 10.31	919.95	47.17	913.52	6.43	
726	σ Scorpii	4.0	1755	— 24 58 51.75	— 957.45	+ 46.88	— 954.78	— 2.67	
		3.4	1850	25 13 40.05	912.52	47.71	909.93	2.59	
727	τ Herculis . . .	4.0	1755	+ 46 54 32.35	— 905.55	+ 23.67	— 907.86	+ 2.31	— 0.04
		3.3	1850	46 40 22.79	882.97	23.86	885.24	2.27	
			1900	46 33 4.29	871.01	23.96	873.26	2.25	
728	ψ Ophiuchi . . .	5.0	1755	— 19 26 24.84	— 935.50	+ 45.48	— 928.02	— 7.48	
		4.8	1850	19 40 52.94	891.96	46.18	884.47	7.49	
729	ρ Ophiuchi (south star)	5.0	1755	— 22 51 31.45	— 923.40	+ 46.66	— 919.20	— 4.20	
		5.0	1850	23 5 47.52	878.72	47.40	874.51	4.21	
730	χ Ophiuchi . . .	5.0	1755	— 17 52 37.65	— 908.62	+ 45.44	— 904.20	— 4.42	
		4.6	1850	18 6 40.23	865.14	46.08	860.80	4.34	
731	α Scorpii	1.0	1755	— 25 51 49.30	— 895.63	+ 48.15	— 891.97	— 3.66	— 0.01
		1.4	1850	26 5 38.31	849.57	48.82	845.90	3.67	
			1900	26 12 36.98	825.07	49.18	821.40	3.67	
732	22 Scorpii	6.0	1755	— 24 33 5.64	— 888.47	+ 47.86	— 884.60	— 3.87	
		5.5	1850	24 46 47.99	842.68	48.55	838.87	3.81	
733	η Draconis . . .	3.0	1755	+ 62 4 27.52	— 836.85	+ 10.76	— 842.27	+ 5.42	+ 0.03
		2.7	1850	61 51 17.40	826.52	11.01	831.97	5.45	
			1900	61 44 25.52	820.98	11.13	826.45	5.47	
734	φ Ophiuchi . . .	4.5	1755	— 16 3 20.65	— 874.89	+ 45.18	— 870.53	— 4.36	
		4.6	1850	16 16 51.32	831.68	45.80	827.26	4.42	
735	ω Ophiuchi . . .	5.0	1755	— 20 55 6.28	— 863.74	+ 46.86	— 866.58	+ 2.84	
		4.7	1850	21 8 25.58	818.90	47.53	821.74	2.84	
736	β Herculis . . .	2.5	1755	+ 22 2 25.95	— 852.12	+ 34.29	— 850.34	— 1.78	
		2.3	1850	21 49 11.98	819.40	34.60	817.58	1.82	
			1900	21 42 26.61	802.06	34.76	800.21	1.85	
737	τ Scorpii	3.5	1755	— 27 40 55.63	— 847.07	+ 49.57	— 842.62	— 4.45	
		3.2	1850	27 53 57.87	799.63	50.32	795.30	4.33	
738	A Draconis . . .	4.5	1755	+ 69 17 52.50	— 777.32	— 2.22	— 779.40	+ 2.08	
			1800	69 12 2.50	778.27	1.96	780.35	2.08	
		5.0	1850	69 5 33.14	779.17	1.68	781.26	2.09	
			1900	68 59 3.35	779.96	1.44	782.04	2.08	
739	ζ Ophiuchi . . .	3.5	1755	— 10 2 55.76	— 816.47	+ 44.18	— 818.58	+ 2.11	— 0.01
		2.7	1850	10 15 31.39	774.26	44.67	776.38	2.12	
			1900	10 21 52.93	751.86	44.93	753.98	2.12	
740	α Trianguli Australis	2.2	1850	— 68 44 34.71	— 750.19	+ 85.16	— 744.54	— 5.65	
			1875	68 47 39.59	728.82	85.85	723.17	5.65	
			1900	68 50 39.11	707.28	86.52	701.63	5.65	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s*	*s.*	*s.*
741	24 Scorpii	1755	5	16 27 25.938	+ 345.043	+ 1.101	+ 345.177	— 0.134	
		1850	33	16 32 54.219	346.069	1.059	346.201	0.132	
742	B. A. C. 5580	1755	- -	16 27 31.671	+ 350.379	+ 1.167	+ 350.392	— 0.013	
		1850	11	16 33 5.051	351.466	1.122	351.488	0.022	
743	15 Ophiuchi	1755	- -	16 30 26.741	+ 358.261	+ 1.262	+ 358.745	— 0.484	
		1850	2	16 36 7.650	359.434	1.208	359.913	0.479	
744	25 Scorpii	1755	1	16 31 53.459	+ 364.929	+ 1.339	+ 364.972	— 0.043	
		1850	26	16 37 40.736	366.173	1.279	366.217	0.044	
745	η Herculis	1755	5	16 34 30.552	+ 204.859	+ 0.387	+ 204.671	+ 0.188	+0.005
		1850	139	16 37 45.343	205.226	0.385	205.031	0.195	
		1900	- -	16 39 28.004	205.418	0.385	205.220	0.198	
746	18 Ophiuchi	1850	22	16 40 37.024	+ 363.874	+ 1.216	+ 364.148	— 0.274	
747	22 Ophiuchi	1755	2	16 40 4.286	+ 360.471	+ 1.178	+ 360.576	— 0.105	
		1850	13	16 45 47.256	361.563	1.120	361.664	0.101	
748	24 Ophiuchi	1755	4	16 42 3.185	+ 359.828	+ 1.138	+ 359.834	— 0.006	
		1850	8	16 47 45.527	360.882	1.079	360.893	0.011	
749	κ Ophiuchi	1755	5	16 46 5.048	+ 283.148	+ 0.453	+ 285.139	— 1.991	0.000
		1850	367	16 50 34.241	283.572	0.439	285.564	1.992	
		1900	- -	16 52 56.082	283.790	0.433	285.780	1.990	
750	B. A. C. 5709	1755	1	16 44 59.446	+ 365.317	+ 1.168	+ 365.237	+ 0.080	
		1850	9	16 50 47.014	366.395	1.103	366.327	0.068	
751	26 Ophiuchi	1755	1	16 45 11.209	+ 365.129	+ 1.174	+ 364.976	+ 0.153	
		1850	11	16 50 58.601	366.213	1.109	366.061	0.152	
752	29 Ophiuchi	1755	3	16 47 33.056	+ 349.056	+ 0.952	+ 349.538	— 0.482	
		1850	24	16 53 5.081	349.936	0.900	350.420	0.484	
753	31 Ophiuchi	1755	2	16 49 40.795	+ 367.200	+ 1.144	+ 367.194	+ 0.006	
		1850	7	16 55 30.141	368.254	1.075	368.245	0.009	
754	d Herculis	1755	1	16 52 34.454	+ 220.691	+ 0.328	+ 220.849	— 0.158	—0.002
		1850	39	16 56 4.258	221.001	0.324	221.165	0.164	
		1900	- -	16 57 54.799	221.163	0.323	221.329	0.166	
755	B. A. C. 5758	1755	4	16 51 36.012	+ 356.163	+ 1.000	+ 356.584	— 0.421	
		1850	7	16 57 14.809	357.085	0.942	357.497	0.412	
756	ε Ursæ Minoris	1755	- -	17 11 57.10	— 671.73	+25.91	— 673.23	+ 1.50	
		1775	- -	17 9 43.27	666.48	26.82	667.98	1.50	
		1800	- -	17 6 57.51	659.63	27.87	661.13	1.50	
		1825	- -	17 4 13.48	652.53	28.88	654.02	1.49	
		1850	- -	17 1 31.26	645.19	29.86	646.68	1.49	
		1875	- -	16 58 50.91	637.61	30.68	639.10	1.49	
		1900	- -	16 56 12.47	— 629.85	+31.49	— 631.34	+ 1.49	
757	η Ophiuchi	1755	5	16 56 21.014	+ 342.542	+ 0.785	+ 342.424	+ 0.118	
		1850	188	17 1 46.776	343.265	0.738	343.151	0.114	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
741	24 Scorpii	5.0	1755	− 17 14 39.97	− 790.32	+ 46.61	− 788.55	− 1.77	
		5.5	1850	17 26 49.65	745.77	47.18	744.00	1.77	
742	B. A. C. 5580	7.5	1755	− 19 25 50.65	− 785.01	+ 47.34	− 787.79	+ 2.78	
		6.0	1850	19 37 54.95	739.75	47.94	742.58	2.83	
743	15 Ophiuchi	7.5	1755	− 22 42 14.03	− 764.68	+ 48.59	− 764.23	− 0.45	
		7.3	1850	22 53 58.44	718.21	49.21	717.68	0.53	
744	25 Scorpii	6.0	1755	− 25 3 27.54	− 752.87	+ 49.66	− 752.57	− 0.30	
		7.0	1850	25 15 0.24	705.38	50.30	705.02	0.36	
745	η Herculis	3.0	1755	+ 39 24 7.92	− 740.32	+ 28.21	− 731.24	− 9.08	+ 0.04
		3.3	1850	39 12 37.37	713.43	28.39	704.39	9.04	
			1900	39 6 44.21	699.21	28.49	690.19	9.02	
746	18 Ophiuchi	6.7	1850	− 24 22 19.59	− 685.30	+ 50.18	− 680.92	− 4.38	
747	22 Ophiuchi	6.5	1755	− 23 5 5.12	− 690.87	+ 49.70	− 685.65	− 5.22	
		6.7	1850	23 15 38.93	643.39	50.26	638.16	5.23	
748	24 Ophiuchi	6.5	1755	− 22 44 10.12	− 669.88	+ 49.77	− 669.33	− 0.55	
		5.9	1850	22 54 23.96	622.34	50.32	621.76	0.58	
749	κ Ophiuchi	4.0	1755	+ 9 46 30.55	− 636.14	+ 39.15	− 635.95	− 0.19	− 0.31
		3.4	1850	9 36 43.93	598.83	39.40	598.35	0.48	
			1900	9 31 49.44	579.09	39.54	578.45	0.64	
750	B. A. C. 5709	6.0	1755	− 24 41 43.68	− 643.91	+ 50.75	− 645.01	+ 1.10	
		6.3	1850	24 51 32.41	595.44	51.30	596.58	1.14	
751	26 Ophiuchi	6.0	1755	− 24 35 22.37	− 650.59	+ 50.75	− 643.35	− 7.24	
		6.1	1850	24 45 17.44	602.12	51.30	594.96	7.16	
752	29 Ophiuchi	6.0	1755	− 18 30 3.29	− 625.01	+ 48.71	− 623.77	− 1.24	
		6.8	1850	18 39 35.01	578.54	49.12	577.30	1.24	
753	31 Ophiuchi	7.5	1755	− 25 16 12.75	− 614.34	+ 51.33	− 606.05	− 8.29	
		6.7	1850	25 25 33.13	565.33	51.85	556.96	8.37	
754	d Herculis	5.0	1755	+ 33 56 17.26	− 581.57	+ 31.01	− 581.83	+ 0.26	− 0.05
		5.0	1850	33 47 18.79	552.04	31.16	552.26	0.22	
			1900	33 42 46.67	536.44	31.24	536.64	0.20	
755	B. A. C. 5758	6.0	1755	− 21 11 56.52	− 600.62	+ 49.86	− 589.98	−10.64	
		6.6	1850	21 21 4.54	553.03	50.33	542.34	10.69	
756	ϵ Ursæ Minoris	4.0	1755	+ 82 23 51.57	− 418.12	− 95.45	− 417.58	− 0.54	
			1775	82 22 26.04	437.13	94.50	436.63	0.50	
			1800	82 20 33.80	460.60	93.26	460.15	0.45	
			1825	82 18 35.76	483.74	91.96	483.35	0.39	
		4.3	1850	82 16 31.95	506.56	90.65	506.22	0.34	
			1875	82 14 22.49	529.06	89.26	528.77	0.29	
			1900	+ 82 12 7.45	− 551.20	− 87.88	− 550.96	− 0.24	
757	η Ophiuchi	2.5	1755	− 15 23 49.43	− 542.32	+ 48.31	− 550.11	+ 7.79	
		2.4	1850	15 32 2.78	496.24	48.70	504.04	7.80	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
758	B. A. C. 5800 . .	1755	1	16 59 0.616	+ 371.598	+ 1.069	+ 371.801	— 0.203	
		1850	10	17 4 54.105	372.576	0.991	372.773	0.197	
759	A Ophiuchi . . .	1755	5	17 0 18.672	+ 366.921	+ 1.193	+ 370.645	— 3.724	
		1850	38	17 6 7.775	368.019	1.120	371.661	3.642	
760	B. A. C. 5813 . .	1755	. .	17 1 11.242	+ 366.882	+ 1.181	+ 370.567	— 3.685	
		1850	23	17 7 0.302	367.969	1.108	371.571	3.602	
761	B. A. C. 5815 . .	1755	. .	17 1 25.657	+ 366.552	+ 0.970	+ 367.353	— 0.801	
		1850	13	17 7 14.308	367.439	0.898	368.241	0.802	
762	*a* Herculis . . .	1755	10	17 3 29.196	+ 272.878	+ 0.358	+ 272.995	— 0.117	—0.003
		1850	. .	17 7 48.592	273.213	0.347	273.331	0.118	
		1900	. .	17 10 5.242	273.385	0.341	273.508	0.123	
763	38 Ophiuchi . . .	1850	2	17 8 20.460	+ 371.416	+ 0.928	+ 372.036	— 0.620	
764	39 Ophiuchi (south star)	1755	5	17 3 5.755	+ 364.111	+ 0.929	+ 364.709	— 0.598	
		1850	11	17 8 52.068	364.959	0.858	365.555	0.596	
765	B. A. C. 5831 . .	1755	1	17 3 10.666	+ 364.846	+ 0.935	+ 364.123	+ 0.723	
		1850	10	17 8 57.681	365.701	0.866	364.969	0.732	
766	ξ Ophiuchi . . .	1755	5	17 6 20.512	+ 358.139	+ 0.843	+ 356.487	+ 1.652	
		1850	51	17 12 1.116	358.909	0.777	357.242	1.667	
767	B. A. C. 5846 . .	1755	1	17 6 41.647	+ 366.135	+ 0.899	+ 366.679	— 0.544	
		1850	9	17 12 29.870	366.954	0.826	367.500	0.546	
768	θ Ophiuchi . . .	1755	5	17 6 59.265	+ 366.791	+ 0.901	+ 366.962	— 0.171	
		1850	200	17 12 48.112	367.612	0.827	367.779	0.167	
		1900	. .	17 15 52.020	368.016	0.788	368.181	0.165	
769	43 Ophiuchi . . .	1755	3	17 7 57.998	+ 375.812	+ 0.963	+ 375.940	— 0.128	
		1850	16	17 13 55.441	376.686	0.877	376.814	0.128	
770	B. A. C. 5868 . .	1755	5	17 10 9.085	+ 365.207	+ 0.835	+ 365.130	+ 0.077	
		1850	12	17 15 56.397	365.966	0.763	365.887	0.079	
771	*b* Ophiuchi . . .	1755	5	17 11 25.859	+ 364.859	+ 0.833	+ 365.011	— 0.152	+0.010
		1850	163	17 17 12.838	365.610	0.750	365.761	0.151	
		1900	. .	17 20 15.735	365.977	0.717	366.128	0.151	
772	*d* Ophiuchi . . .	1755	. .	17 11 44.435	+ 381.065	+ 0.975	+ 381.358	— 0.293	
		1850	30	17 17 46.873	381.947	0.882	382.231	0.284	
773	c^2 Ophiuchi . . .	1755	5	17 16 29.272	+ 364.677	+ 0.752	+ 364.786	— 0.109	
		1850	49	17 22 16.043	365.356	0.679	365.465	0.109	
774	52 Ophiuchi . . .	1755	5	17 20 35.360	+ 359.623	+ 0.669	+ 359.848	— 0.225	
		1850	5	17 26 17.293	360.226	0.601	360.448	0.222	
775	β Draconis . . .	1755	10	17 24 54.634	+ 134.635	+ 0.534	+ 134.750	— 0.115	+0.001
		1850	299	17 27 2.776	135.134	0.517	135.255	0.121	
		1900	. .	17 28 10.407	135.390	0.507	135.510	0.120	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
758	B. A. C. 5800	6.5	1755	− 26 39 49.53	− 538.08	+ 52.50	− 527.67	− 10.41	
		7.5	1850	26 47 56.94	487.98	52.96	477.57	10.41	
759	A Ophiuchi	4.5	1755	− 26 12 59.29	− 631.78	+ 51.44	− 516.66	−115.12	
		4.9	1850	26 22 36.20	582.70	51.90	467.12	115.58	
760	B. A. C. 5813	7.0	1755	− 26 9 59.32	− 624.54	+ 51.49	− 509.26	−115.28	
		6.8	1850	26 19 29.33	575.41	51.94	459.64	115.77	
761	B. A. C. 5815	7 5	1755	- - - - -	- - - -	+-51.84	− 507.23	- - -	
		7.3	1850	− 25 7 48.5	- - - -	52.27	457.79	- - -	
762	α Herculis	3.5	1755	+ 14 41 20.30	− 487.11	+ 38.82	− 489.77	+ 2.66	− 0.02
		3.3	1850	14 33 55.08	450.14	39.00	452.79	2.65	
			1900	14 30 14.89	430.62	39.10	433 25	2.63	
763	38 Ophiuchi	6.7	1850	− 26 27 28.30	− 455.63	+ 52.92	− 448.24	− 7.39	
764	39 Ophiuchi (south star)	6.0	1755	− 23 59 36.53	− 496.55	+ 51.62	− 493.09	− 3.46	
		5.5	1850	24 7 4.89	447.32	52.03	443.77	3.55	
765	B. A. C. 5831	6.0	1755	− 23 46 32.11	− 502.85	+ 51.93	− 492.48	− 10.37	
		6.9	1850	23 54 6.33	453.39	52.20	442.97	10.42	
766	ξ Ophiuchi	4.5	1755	− 20 49 29.98	− 484.94	+ 51.38	− 465.51	− 19.43	
		5.1	1850	20 56 47.44	435.98	51.70	416.84	19.14	
767	B. A. C. 5846	7.5	1755	− 24 37 57.23	− 466.40	+ 52.10	− 462.48	− 3.92	
		6.8	1850	24 44 56.71	416.72	52.49	412.72	4.00	
768	θ Ophiuchi	3.5	1755	− 24 43 40.56	− 465.45	+ 52.39	− 459.99	− 5.46	
		3.6	1850	24 50 39.04	415.49	52.78	410.13	5.36	
			1900	24 54 0.17	389.05	52.97	383.76	5.29	
769	43 Ophiuchi	6.0	1755	− 27 52 38.42	− 458.20	+ 53.71	− 451.65	− 6.55	
		5.8	1850	27 59 29.42	406.98	54.12	400.52	6.46	
770	B. A. C. 5868	7.0	1755	− 23 59 34.40	− 433.71	+ 52.22	− 432.98	− 0.73	
		7.0	1850	24 6 2.81	383.93	52.58	383.21	0.72	
771	b Ophiuchi	5.5	1755	− 23 55 24.59	− 435.15	+ 52.28	− 422.07	− 13.08	− 0.03
		4.5	1850	24 1 54.35	385.36	52.53	372.27	13.09	
			1900	24 5 0.46	359.06	52.67	345.94	13.12	
772	d Ophiuchi	5.0	1755	− 29 37 2.98	− 434.26	+ 54.50	− 419.41	− 14.85	
		4.6	1850	29 43 30.88	382.30	54.89	367.40	14.90	
773	c^2 Ophiuchi	5.0	1755	− 23 44 48.49	− 382.30	+ 52.39	− 378.65	− 3.65	
		5.2	1850	23 50 27.98	332.38	52.70	328.74	3.64	
774	52 Ophiuchi	7.0	1755	− 21 51 6.24	− 348.32	+ 51.80	− 343.34	− 4.98	
		6.5	1850	21 56 13.73	298.98	52.08	293.97	5.01	
775	β Draconis	2.0	1755	+ 52 29 33.71	− 305.99	+ 19.49	− 305.98	− 0.01	− 0.04
		2.7	1850	52 24 51.82	287.44	19.57	287.39	0.05	
			1900	52 22 30.54	277.64	19.61	277.57	0.07	

RIGHT ASCENSIONS.

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				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
776	α Ophiuchi	1755	10	17 23 34.319	+ 277.828	+ 0.348	+ 277.092	+ 0.736	+0.014
		1850	- -	17 27 58.411	278.153	0.336	277.402	0.751	
		1900	- -	17 30 17.529	278.319	0.328	277.565	0.755	
777	ξ Serpentis	1755	4	17 23 34.390	+ 342.529	+ 0.545	+ 342.930	— 0.401	
		1850	33	17 29 0.031	343.023	0.494	343.419	0.396	
778	B. A, C. 5954	1755	1	17 24 2.649	+ 359.373	+ 0.624	+ 359.690	— 0.317	
		1850	7	17 29 44.324	359.933	0.555	360.239	0.306	
779	σ Octantis	1800	- -	16 8 4.77	+ 8628.31	+5460.7	+ 8621.89	+ 6.42	
		1825	- -	16 46 46.30	9904.91	4517.9	9895.20	9.71	
		1850	- -	17 30 2.49	10764.86	+2138.1	10751.76	13.10	
		1875	- -	18 15 27.61	10899.75	—1102.1	10883.89	15.86	
		1900	- -	18 59 46.38	+10253.76	—3884.7	+10236.40	+17.36	
780	58 Ophiuchi	1755	5	17 28 45.687	+ 358.660	+ 0.566	+ 359.306	— 0.646	
		1850	57	17 34 26.658	359.164	0.497	359.800	0.636	
781	ω Draconis	1755	3	17 38 24.54	— 36.81	+ 1.04	— 37.56	+ 0.75	
		1800	- -	17 38 8.08	36.34	1.05	37.02	0.68	
		1850	- -	17 37 50.04	35.82	1.06	36.41	0.59	
		1900	- -	17 37 32.32	35.26	1.10	35.80	0.54	
782	3 Sagittarii	1755	4	17 32 9.343	+ 376.519	+ 0.597	+ 376.736	— 0.217	
		1850	34	17 38 7.291	377.042	0.506	377.258	0.216	
783	μ Herculis	1755	5	17 36 52.825	+ 231.122	+ 0.386	+ 236.590	— 2.468	+0.029
		1850	367	17 40 35.414	234.486	0.380	236.899	2.413	
		1900	- -	17 42 32.704	234.675	0.375	237.059	2.384	
784	ψ^1 Draconis	1755	- -	17 46 21.05	— 110.41	+ 1.78	— 110.43	+ 0.02	
		1800	- -	17 45 31.55	109.59	1.84	109.70	0.11	
		1850	- -	17 44 36.99	108.65	1.90	108.86	0.21	
		1900	- -	17 43 42.90	107.70	1.94	107.99	0.29	
785	63 Ophiuchi	1755	5	17 39 49.979	+ 368.556	+ 0.448	+ 368.604	— 0.048	
		1850	11	17 45 40.297	368.945	0.370	368.990	0.045	
786	B. A. C. 6060	1850	- -	17 47 5.7	. . . .	+ 0.319	+ 352.544	. . .	
787	B. A. C. 6066	1755	1	17 42 9.692	+ 366.017	+ 0.411	+ 366.026	— 0.009	
		1850	9	17 47 57.581	366.370	0.333	366.380	0.010	
788	4 Sagittarii	1755	5	17 44 50.619	+ 365.702	+ 0.381	+ 365.773	— 0.071	
		1850	50	17 50 38.196	366.027	0.303	366.092	0.065	
789	5 Sagittarii	1755	1	17 45 10.686	+ 367.404	+ 0.374	+ 367.091	+ 0.313	
		1850	12	17 50 59.876	367.721	0.294	367.407	0.314	
790	6 Sagittarii	1755	5	17 47 9.517	+ 348.113	+ 0.308	+ 348.141	— 0.028	
		1850	7	17 52 40.354	348.377	0.249	348.407	0.030	
791	γ Draconis	1755	9	17 50 55.566	+ 138.707	+ 0.341	+ 138.795	— 0.088	+0.006
		1850	550	17 53 7.479	139.023	0.324	139.107	0.084	
		1900	- -	17 54 17.031	139.183	0.314	139.268	0.085	

DECLINATIONS.

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				° ′ ″	″	″	″	″	″
776	α Ophiuchi	2.0	1755	+ 12 45 30.11	− 341.43	+ 40.30	− 317.59	−23.84	+ 0.11
		2.0	1850	12 40 23.95	303.10	40.41	279.36	23.74	
			1900	12 37 57.46	282.88	40.47	259.20	23.68	
777	ξ Serpentis	5.0	1755	− 15 13 10.63	− 323.93	+ 49.42	− 317.57	− 6.36	
		3.7	1850	15 17 56.03	276.88	49.64	270.45	6.43	
778	B. A. C. 5954	6.0	1755	− 21 44 27.55	− 317.99	+ 51.87	− 313.49	− 4.50	
		6.8	1850	21 49 6.20	268.59	52.12	264.07	4.52	
779	σ Octantis		1800	− 89 11 10.36	− 944.75	+1112.8	− 941.19	− 3.56	
			1825	89 14 28.99	− 633.36	1373.4	− 630.06	3.30	
		5.8	1850	89 16 22.18	− 264.32	1559.0	− 261.43	2.89	
			1875	89 16 38.77	+ 132.82	1588.7	+ 135.18	2.36	
			1900	89 15 17.01	+ 515.31	1447.5	+ 517.07	1.76	
780	58 Ophiuchi	5.0	1755	− 21 32 15.46	− 278.82	+ 51.86	− 272.64	− 6.18	
		5.4	1850	21 36 16.90	229.45	52.07	223.19	6.26	
781	ω Draconis	5.0	1755	+ 68 52 7.20	− 156.45	− 5.16	− 188.72	+32.27	
			1800	68 50 56.26	158.79	5.10	191.10	32.31	
		5.0	1850	68 49 36.23	161.32	5.03	193.67	32.35	
			1900	68 48 14.94	163.82	4.96	196.21	32.39	
782	3 Sagittarii	5.0	1755	− 27 42 35.12	− 246.14	+ 54.60	− 243.17	− 2.97	
		4–6	1850	27 46 4.28	194.17	54.80	191.20	2.97	
783	μ Herculis	4.0	1755	+ 27 52 50.89	− 277.51	+ 33.70	− 202.05	−75.46	− 0.36
		3.3	1850	27 48 42.48	245.46	33.78	169.66	75.80	
			1900	27 46 43.97	228.56	33.82	152.58	75.98	
784	ψ¹ Draconis	5.5	1755	+ 72 15 41.81	− 146.80	− 16.02	− 119.45	−27.35	
			1800	72 14 34.15	153.95	15.89	126.62	27.33	
		4.3	1850	72 13 15.20	161.85	15.73	134.53	27.32	
			1900	72 11 52.32	169.66	15.58	142.36	27.30	
785	63 Ophiuchi	6.5	1755	− 24 48 42.26	− 176.14	+ 53.63	− 176.33	+ 0.19	
		6.6	1850	24 51 5.37	125.13	53.76	125.30	0.17	
786	B. A. C. 6060	6.7	1850	− 18 46 10.7	. . . .	+ 51.22	− 112.88	. . .	
787	B. A. C. 6066	7.5	1755	− 23 52 36.91	− 158.18	+ 53.30	− 156.00	− 2.18	
		7.3	1850	23 54 43.11	107.49	53.42	105.31	2.18	
788	4 Sagittarii	5.0	1755	− 23 45 59.70	− 139.19	+ 53.28	− 132.59	− 6.60	
		5.4	1850	23 47 47.88	88.53	53.38	81.93	6.60	
789	5 Sagittarii	7.0	1755	− 24 14 17.20	− 133.23	+ 53.59	− 129.75	− 3.48	
		7.0	1850	24 15 59.57	82.28	53.68	78.74	3.54	
790	6 Sagittarii	7.0	1755	− 17 7 20.85	− 111.42	+ 50.75	− 112.37	+ 0.95	
		6.9	1850	17 8 43.80	63.18	50.82	64.12	0.94	
791	γ Draconis	2.0	1755	+ 51 31 39.79	− 82.49	+ 20.32	− 79.43	− 3.06	+ 0.03
		2.3	1850	51 30 30.60	63.17	20.36	60.14	3.03	
			1900	51 30 1.56	52.99	20.38	49.98	3.01	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
792	7 Sagittarii	1755	3	17 47 50.929	+ 367.003	+ 0.334	+ 367.179	— 0.176	
		1850	8	17 53 39.720	367.282	0.254	367.458	0.176	
793	B. A. C. 6098	1850	7	17 53 40.520	+ 357.469	+ 0.250	+ 357.767	— 0.298	
794	Piazzi 17^h 330	1850	- -	17 54 31.1	- - - -	+ 0.238	+ 364.291	- - -	
795	9 Sagittarii	1755	2	17 48 51.705	+ 367.223	+ 0.322	+ 367.430	— 0.207	
		1850	24	17 54 40.700	367.491	0.242	367.696	0.205	
796	Piazzi 17^h 334	1850	6	17 54 50.465	+ 363.238	+ 0.233	+ 363.469	— 0.231	
797	γ^1 Sagittarii	1850	20	17 55 26.314	+ 383.383	+ 0.232	+ 383.062	+ 0.321	
798	γ^2 Sagittarii	1755	4	17 50 4.776	+ 384.758	+ 0.365	+ 385.395	— 0.637	+0.019
		1850	95	17 56 10.445	385.055	0.260	385.676	0.621	
		1900	- -	17 59 23.003	385.172	0.206	385.787	0.615	
799	B. A. C. 6127	1850	14	17 58 35.045	+ 379.913	+ 0 183	+ 379.675	+ 0.238	
800	B. A. C. 6161	1755	1	17 56 46.605	+ 365.791	+ 0.220	+ 365.772	+ 0.019	
		1850	11	18 2 34.194	365.964	0.144	365.938	0.026	
801	μ Sagittarii	1755	5	17 59 7.010	+ 358.486	+ 0.177	+ 358.606	- - -	
		1900	752	18 4 47.641	358.621	0.107	358.741	- - -	
		1850	- -	18 7 46.963	358.666	0.071	358.786	- - -	
802	14 Sagittarii	1755	4	17 59 33.093	+ 359.986	+ 0.178	+ 360.368	— 0.382	
		1850	2	18 5 15.149	360.122	0.108	360.502	0.380	
803	15 Sagittarii	1755	5	18 0 36.168	+ 357.691	+ 0.163	+ 357.742	— 0.051	
		1850	14	18 6 16.036	357.812	0.092	357.865	0.053	
804	16 Sagittarii	1755	5	18 0 38.568	+ 356.729	+ 0.165	+ 356.835	— 0.106	
		1850	4	18 6 17.525	356.858	0.107	356.958	0.100	
805	17 Sagittarii	1755	1	18 2 0.087	+ 356.979	+ 0.150	+ 357.269	— 0.290	
		1850	5	18 7 39.273	357.087	0.079	357.377	0.290	
806	B. A. C. 6194	1850	18	18 8 40.018	+ 374.668	+ 0.023	+ 375.526	— 0.858	
807	B. A. C. 6201	1850	- -	18 9 47.	- - - -	+ 0.060	352.307	- - -	
808	δ Sagittarii	1755	5	18 5 18.567	+ 384.122	+ 0.072	+ 383.906	+ 0.216	
		1850	38	18 11 23.499	384.141	— 0.031	383.927	0.214	
809	B. A. C. 6210	1755	3	18 6 2.546	+ 345.297	+ 0.112	+ 345.108	+ 0.189	
		1850	14	18 11 30.620	345.377	0.056	345.188	0.189	
810	η Serpentis	1755	5	18 8 38.435	+ 309.967	+ 0.218	+ 313.866	— 3.899	
		1850	261	18 13 32.997	310.160	0.188	314.016	3.856	
		1900	- -	18 16 8.100	+ 310.250	+ 0.172	+ 314.085	— 3.835	
811	21 Sagittarii	1755	5	18 10 45.640	+ 357.264	+ 0.040	+ 357.346	— 0.082	
		1850	23	18 16 25.048	357.272	— 0.024	357.351	0.079	
812	λ Sagittarii	1755	5	18 12 51.007	+ 370.324	+ 0.013	+ 370.783	— 0.459	
		1850	116	18 18 42.807	370.295	— 0.071	370.741	0.446	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
792	7 Sagittarii	7.0	1755	— 24 15 13.38	— 107.52	+ 53.48	— 106.32	— 1.20	
		5.9	1850	24 16 31.38	56.66	53 60	55.36	1.30	
793	B. A. C. 6098	6.0	1850	— 20 43 50.42	— 58.40	+ 52.11	— 55.34	— 3.06	
794	Piazzi 17^h 330	5.3	1850	— 23 8 8.3	. . . .	+ 53.15	— 47.98	. . .	
795	9 Sagittarii	6.5	1755	— 24 20 17.88	— 100.11	+ 53.52	— 97.46	— 2.65	
		6.0	1850	— 24 21 28.82	49.23	53.58	46.58	2.65	
796	Piazzi 17^h 334	5.3	1850	— 22 50 6.45	— 45.18	+ 52.96	— 45.14	— 0.04	
797	γ^1 Sagittarii	5–6.5	1850	— 29 34 50.56	— 39.12	+ 55.98	— 39.88	+ 0.76	
798	γ^2 Sagittarii	5.0	1755	— 30 23 53.59	— 108.62	+ 56.12	— 86.87	—21.75	— 0.07
		2.8	1850	30 25 11.46	55.31	56.12	33.48	21.83	
			1900	30 25 32.10	27.25	56.12	5.38	21.87	
799	B. A. C. 6127	5.1	1850	— 28 28 4.80	— 13.11	+ 55.46	— 12.40	— 0.71	
800	B. A. C. 6161	6.0	1755	— 23 43 25.17	— 35.22	+ 53.37	— 28.22	— 7.00	
		5.7	1850	23 43 34.54	+ 15.49	53.38	+ 22.48	6.99	
801	μ Sagittarii	3.5	1755	— 21 5 48.62	— 8.81	+ 52.24	— 7.70	— 1.11	— 0.06
		4.3	1850	21 5 33.43	+ 40.79	52.18	+ 41.95	1.16	
			1900	21 5 6.51	66.87	52.14	68.07	1.20	
802	14 Sagittarii	6.0	1755	— 21 45 7.82	— 7.28	+ 52.46	— 3.93	— 3.35	
		6.0	1850	21 44 51.07	+ 42.55	52.44	+ 45.99	3.44	
803	15 Sagittarii	6.0	1755	— 20 46 31.05	+ 4.95	+ 52.17	+ 5.29	— 0.34	
		5.8	1850	20 46 2.82	54.50	52.15	54.86	0.36	
804	16 Sagittarii	6.0	1755	— 20 26 3.95	+ 3.12	+ 52.02	+ 5.63	— 2.51	
		6.6	1850	20 25 37.52	52.53	52.00	55.07	2.54	
805	17 Sagittarii	7.0	1755	— 20 35 54.73	+ 14.52	+ 52.02	+ 17.51	— 2.99	
		7.0	1850	20 35 17.46	63.94	52.02	66.98	3.04	
806	B. A. C. 6194	5.1	1850	— 27 5 28.14	+ 78.79	+ 54.46	+ 75.83	+ 2.96	
807	B. A. C. 6201	. .	1850	— 18 40	. . . .	+ 51.31	+ 85.59	. . .	
808	δ Sagittarii	3.5	1755	— 29 54 16.39	+ 43.74	+ 56.03	+ 46.48	— 2.74	
		2.8	1850	29 53 9.57	96.93	55.96	99.63	2.70	
809	B. A. C. 6210	6.0	1755	. . . . .	. . . .	+ 50.36	+ 52.90	. . .	
		6.0	1850	— 15 53 17.7	. . . .	50.30	100.71	. . .	
810	η Serpentis	4.0	1755	— 2 56 28.41	+ 9.02	+ 44.56	+ 75.64	—66.62	— 0.58
		3.5	1850	2 55 59.74	51.33	44.50	118.51	67.18	
			1900	2 55 28.52	73.57	44.46	141.03	67.46	
811	21 Sagittarii	6.0	1755	— 20 38 50.30	+ 91.73	+ 52.09	+ 94.19	— 2.46	
		5.1	1850	20 36 59.63	141.20	52.06	143.54	2.34	
812	λ Sagittarii	4.0	1755	— 25 31 45.85	+ 89.98	+ 53.99	+ 112.42	—22.44	
		2.7	1850	25 29 56.03	141.21	53.88	163.60	22.39	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
813	δ Ursæ Minoris . .	1755	. .	18 50 35.73	—1831.68	—139.45	—1835.35	+ 3.67	
		1775	. .	18 44 26.68	1858.19	125.30	1861.73	3.54	
		1800	. .	18 36 38.41	1887.13	105.91	1890.49	3.36	
		1825	. .	18 28 43.53	1911.02	84.80	1914.18	3.16	
		1850	. .	18 20 43.36	1929.39	62.28	1932.35	2.96	
		1875	. .	18 12 39.32	1942.03	38.72	1944.77	2.74	
		1900	. .	18 4 32.87	—1948.72	— 14.49	—1951.22	+ 2.50	
814	B. A. C. 6287 . .	1755	. .	. . . . .	. . . .	+ 0.005	+ 352.578	. . .	
		1850	4	18 21 22.6	. . . .	— 0.060	352.545	. . .	
815	B. A. C. 6294 . .	1850	6	18 22 39.006	+ 351.707	— 0.075	+ 351.698	+ 0.009	
816	B. A. C. 6304 . .	1755	1	18 18 15.600	+ 366.958	— 0.085	+ 367.090	— 0.132	
		1850	8	18 24 4.159	366.839	0.165	366.976	0.137	
817	24 Sagittarii . . .	1755	5	18 18 55.296	+ 366.752	— 0.093	+ 366.874	— 0.122	
		1850	11	18 24 43.657	366.626	0.173	366.746	0.120	
818	25 Sagittarii . . .	1755	1	18 19 32.717	+ 367.900	— 0.108	+ 367.407	+ 0.493	
		1850	5	18 25 22.161	367.759	0.188	367.266	0.493	
819	1 Aquilæ (3 H. Scuti.)	1755	5	18 21 52.574	+ 326.421	+ 0.051	+ 326.640	— 0.219	+0.020
		1850	170	18 27 2.691	326.451	+ 0.012	326.650	0.199	
		1900	. .	18 29 45.917	326.452	— 0.008	326.641	0.189	
820	B. A. C. 6336 . .	1755	2	18 23 14.293	+ 359.331	— 0.108	+ 359.613	— 0.282	
		1850	7	18 28 55.595	359.186	0.198	359.472	0.286	
821	B. A. C. 6343 . .	1755	3	18 23 36.389	+ 365.230	— 0.149	+ 365.370	— 0.140	
		1850	23	18 29 23.279	365.053	0.224	365.190	0.137	
822	B. A. C. 6347 . .	1755	2	18 24 16.636	+ 358.024	— 0.109	+ 358.634	— 0.610	
		1850	5	18 29 56.699	357.888	0.178	358.520	0.632	
823	α Lyræ	1755	. .	18 28 38.734	+ 202.987	+ 0.111	+ 201.162	+ 1.825	—0.028
		1850	. .	18 31 51.621	203.090	0.105	201.292	1.798	
		1900	. .	18 33 33.179	203.142	0.101	201.356	1.786	
824	26 Sagittarii . . .	1755	5	18 26 54.679	+ 366.357	— 0.198	+ 366.241	+ 0.116	
		1850	8	18 32 42.618	366.133	0.275	366.015	0.118	
825	B. A. C. 6369 . .	1850	3	18 35 36.211	+ 369.109	— 0.336	+ 369.221	— 0.112	
826	φ Sagittarii . . .	1755	5	18 30 20.586	+ 375.329	— 0.300	+ 375.184	+ 0.145	
		1850	74	18 36 17.000	375.003	0.387	374.859	0.144	
827	28 Sagittarii . . .	1755	5	18 31 33.733	+ 362.270	— 0.240	+ 362.212	+ 0.058	
		1850	6	18 37 17.770	362.009	0.310	361.946	0.063	
828	B. A. C. 6386 . .	1755	1	18 33 19.838	+ 356.439	— 0.233	+ 356.511	— 0.072	
		1850	3	18 38 58.332	356.190	0.291	356.269	0.079	
829	29 Sagittarii . . .	1755	5	18 35 7.382	+ 356.548	— 0.255	+ 356.627	— 0.079	
		1850	24	18 40 45.978	356.276	0.318	356.354	0.078	
830	30 Sagittarii . . .	1755	5	18 36 6.677	+ 360.985	— 0.290	+ 361.492	— 0.507	
		1850	3	18 41 49.471	360.677	0.359	361.181	0.504	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
813	δ Ursæ Minoris	3.0	1755	+ 86 30 49.15	+ 443.90	—260.39	+ 439.38	+ 4.52	
			1775	86 32 12.68	391.26	265.64	386.65	4.61	
			1800	86 33 42.12	324.09	271.49	319.36	4.73	
			1825	86 34 54.61	255.60	276.25	250.75	4.85	
		4.3	1850	86 35 49.84	186.06	279.95	181.10	4.96	
			1875	86 36 27.58	115.74	282.52	110.68	5.06	
			1900	+ 86 36 47.67	+ 44.95	—283.87	+ 39.79	+ 5.16	
814	B. A. C. 6287	. .	1755	— 18 51 32.56	+ 128.70	+ 51.11	+ 138.25	— 9.55	
		6.0	1850	18 49 7.22	177.19	50.97	186.80	9.61	
815	B. A. C. 6294	5.5	1850	— 18 30 0.39	+ 191.78	+ 50.97	+ 197.87	— 6.09	
816	B. A. C. 6304	7.0	1755	— 24 15 41.82	+ 157.61	+ 53.27	+ 159.70	— 2.09	
			1850	24 12 48.08	208.14	53.11	210.22	2.08	
817	24 Sagittarii	6.5	1755	— 24 11 18.37	+ 164.60	+ 53.23	+ 165.47	— 0.87	
		5.9	1850	24 8 18.01	215.09	53.06	215.99	0.90	
818	25 Sagittarii	7.5	1755	— 24 22 58.92	+ 171.76	+ 53.47	+ 170.86	+ 0.90	
		6.3	1850	24 19 51.65	222.48	53.30	221.59	0.89	
819	1 Aquilæ (3 H. Scuti.)	5.5	1755	— 8 23 30.35	+ 157.96	+ 47.55	+ 191.08	—33.12	+ 0.08
		3.6	1850	8 20 38.85	203.05	47.37	236.09	33.04	
			1900	8 18 51.41	226.71	47.29	259.71	33.00	
820	B. A. C. 6336	6.5	1755	— 21 34 24.70	+ 192.39	+ 52.02	+ 203.10	—10.71	
		6.2	1850	21 30 58.49	241.71	51.83	252.46	10.75	
821	B. A. C. 6343	6.0	1755	— 23 41 15.22	+ 203.03	+ 52.89	+ 206.30	— 3.27	
		6.3	1850	23 37 38.51	253.19	52.70	256.46	3.27	
822	B. A. C. 6347	6.5	1755	— 21 13 44.34	+ 196.68	+ 51.75	+ 212.16	—15.48	
		6.0	1850	21 10 14.18	245.75	51.56	261.31	15.56	
823	α Lyræ	1.0	1755	+ 38 34 12.44	+ 277.05	+ 29.56	+ 250.12	+26.93	+ 0.26
		1.0	1850	38 38 48.96	305.10	29.48	277.92	27.18	
			1900	38 41 25.19	319.83	29.44	292.53	27.30	
824	26 Sagittarii	6.0	1755	— 24 2 7.78	+ 232.00	+ 52.99	+ 235.06	— 3.06	
		6.6	1850	23 58 3.51	282.23	52.76	285.28	3.05	
825	B. A. C. 6369	6.2	1850	— 25 9 19.58	+ 307.31	+ 53.05	+ 310.34	— 3.03	
826	φ Sagittarii	4.5	1755	— 27 12 54.85	+ 262.02	+ 54.46	+ 264.82	— 2.80	
		3.7	1850	27 8 21.43	313.57	54.07	316.20	2.63	
827	28 Sagittarii	6.0	1755	— 22 37 21.32	+ 273.30	+ 52.24	+ 275.49	— 2.19	
		5.6	1850	22 32 38.15	322.80	51.98	324.96	2.16	
828	B. A. C. 6386	7.5	1755	— 20 30 50.02	+ 287.37	+ 51.31	+ 290.76	— 3.39	
		7.3	1850	20 25 53.90	335.99	51.06	339.44	3.45	
829	29 Sagittarii	6.0	1755	— 20 34 38.80	+ 307.63	+ 51.37	+ 306.24	+ 1.39	
		5.5	1850	20 29 23.40	356.32	51.14	354.88	1.44	
830	30 Sagittarii	6.0	1755	—22 25 2.00	+ 311.02	+ 51.80	+ 314.84	— 3.82	
		6.6	1850	22 19 43.20	360.10	51.52	363.88	3.78	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
831	31 Sagittarii	1755	5	18 37 25.140	+ 360.785	- 0.303	+ 360.814	— 0.029	
		1850	9	18 43 7.739	360.465	0.371	360.491	0.026	
832	β Lyræ	1755	5	18 41 2.353	+ 221.219	+ 0.154	+ 221.214	+ 0.005	
		1850	1058	18 44 32.580	221.363	0.149	221.355	0.008	
		1900	. .	18 46 23.280	221.437	0.147	221.429	0.008	
833	33 Sagittarii	1755	5	18 39 21.022	+ 359.225	— 0.331	+ 359.273	— 0.048	
		1850	8	18 45 2.128	358.880	0.396	358.935	0.055	
834	ν^1 Sagittarii	1755	5	18 39 22.206	+ 362.797	— 0.344	+ 362.996	— 0.199	
		1850	27	18 45 6.698	362.437	0.414	362.632	0.195	
835	σ Sagittarii	1755	5	18 40 3.795	+ 372.811	— 0.422	+ 372.884	— 0.073	
		1850	126	18 45 57.762	372.371	0.504	372.437	0.066	
		1900	. .	18 49 3.883	372.108	0.545	372.178	0.070	
836	ν^2 Sagittarii	1755	5	18 40 17.912	+ 363.389	— 0.358	+ 362.770	+ 0.619	
		1850	19	18 46 2.960	363.017	0.427	362.393	0.624	
837	B. A. C. 6447	1850	. .	18 46 55.	. . . .	— 0.312	+ 346.081	. . .	
838	B. A. C. 6448	1850	12	18 46 55.635	+ 363.686	— 0.450	+ 363.716	— 0.030	
839	ξ^1 Sagittarii	1755	5	18 42 46.480	+ 357.124	— 0.351	+ 357.324	— 0.200	
		1850	12	18 48 25.579	356.760	0.416	356.957	0.197	
840	ξ^2 Sagittarii	1755	5	18 43 6.191	+ 358.687	— 0.363	+ 358.507	+ 0.180	
		1850	40	18 48 46.771	358.317	0.416	358.128	0.189	
841	50 Draconis	1755	2	18 54 7.57	— 183.19	— 5.81	— 182.86	— 0.33	
		1800	.	18 52 44.55	185.79	5.72	185.43	0.36	
		1850	. .	18 51 10.95	188.63	5.62	188.23	— 0.40	
		1900	. .	18 49 35.95	191.38	5.48	190.97	0.41	
842	ζ Sagittarii	1755	5	18 47 0.430	+ 382.888	— 0.630	+ 383.226	— 0.338	
		1850	18	18 53 3.876	382.246	0.722	382.583	0.337	
843	Lal. 35497	1850	. .	18 54 14.6	. . . .	— 0.447	+ 353.097	. . .	
844	o Sagittarii	1755	5	18 49 59.435	+ 360.367	— 0.457	+ 359.958	+ 0.409	
		1850	58	18 55 41.567	359.902	0.521	359.496	0.406	
845	A. Oe.^{2} 19053	1850	. .	18 57 5.8	. . . .	— 0.397	+ 344.043	. . .	
846	τ Sagittarii	1755	5	18 51 37.717	+ 375.731	— 0.601	376.334	— 0.603	
		1850	30	18 57 34.377	375.120	0.685	375.704	0.584	
847	ζ Aquilæ	1755	5	18 54 9.125	+ 275.627	+ 0.053	+ 275.733	— 0.106	
		1850	1049	18 58 30.993	275.672	0.042	275.772	0.100	
		1900	. .	19 0 48.834	275.692	0.037	275.792	0.100	
848	B. A. C. 6536	1755	1	18 53 52.323	+ 353.331	— 0.448	+ 353.444	— 0.113	
		1850	9	18 59 27.777	352.879	0.504	352.991	0.112	
849	π Sagittarii	1755	5	18 55 10.873	+ 357.745	— 0.510	+ 357.876	— 0.131	
		1850	143	19 0 50.492	357.233	0.568	357.371	0.138	
850	ψ Sagittarii	1755	5	19 0 30.025	+ 369.156	— 0.693	+ 369.017	+ 0.139	
		1850	78	19 6 20.399	368.464	0.764	368.327	0.137	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
831	31 Sagittarii	6.0	1755	− 22 11 0.75	+ 321.78	+ 51.79	+ 326.14	− 4.36	
		7.0	1850	22 5 31.74	370.84	51.49	375.21	4.37	
832	β Lyræ	3.0	1755	+ 33 5 37.70	+ 355.64	+ 31.63	+ 357.36	− 1.72	+ 0.01
		4.0	1850	33 11 29.81	385.64	31.53	387.35	1.71	
			1900	33 14 46.57	401.39	31.47	403.10	1.71	
833	33 Sagittarii	6.0	1755	− 21 38 5.54	+ 342.03	+ 51.67	+ 342.77	− 0.74	
		6.0	1850	21 32 17.32	390.96	51.35	391.58	0.62	
834	ν^1 Sagittarii	5.0	1755	− 23 1 12.40	+ 339.93	+ 51.97	+ 342.98	− 3.05	
		5.0	1850	22 55 26.07	389.15	51.66	392.23	3.08	
835	σ Sagittarii	3.0	1755	− 26 34 26.85	+ 341.21	+ 53.46	+ 348.93	− 7.72	0.00
		2.4	1850	26 28 38.64	391.81	53.07	399.53	7.72	
			1900	26 25 16.11	418.29	52.85	426.01	7.72	
836	ν^2 Sagittarii	5.0	1755	− 22 57 6.20	+ 348.44	+ 52.13	+ 350.99	− 2.55	
		5.1	1850	22 51 11.72	397.81	51.81	400.28	2.47	
837	B. A. C. 6447	5.8	1850	− 16 33	- - - -	+ 49.26	+ 407.72	- - -	
838	B. A. C. 6448	6.4	1850	− 23 21 33.04	+ 406.03	+ 51.77	+ 407.83	− 1.80	
839	ξ^1 Sagittarii	6.0	1755	− 20 57 3.61	+ 369.34	+ 51.09	+ 372.29	− 2.95	
		5.7	1850	20 50 49.73	417.70	50.75	420.65	2.95	
840	ξ^2 Sagittarii	5.0	1755	− 21 24 11.60	+ 372.87	+ 51.30	+ 375.14	− 2.27	
		3.5	1850	21 17 54.27	421.44	50.97	423.64	2.20	
841	50 Draconis	5.5	1755	+ 75 7 54.42	+ 477.00	− 26.23	+ 469.48	+ 7.52	
			1800	75 11 26.40	465.09	26.64	457.60	7.49	
		6.0	1850	75 15 15.60	451.66	27.08	444.20	7.46	
			1900	75 18 58.03	438.02	27.52	430.59	7.43	
842	ζ Sagittarii	3.5	1755	− 30 12 11.79	+ 408.16	+ 54.46	+ 408.66	− 0.50	
		3.1	1850	30 5 19.59	459.51	53.65	460.14	0.63	
843	Lal. 35497	6.4	1850	− 19 27 26.8	- - - -	+ 49.87	+ 470.27	- - -	
844	o Sagittarii	4.5	1755	− 22 4 29.76	+ 426.86	+ 51.25	+ 434.22	− 7.36	
		3.8	1850	21 57 21.18	475.34	50.84	482.60	7.26	
845	A. Oe.^{2} 19053	5.9	1850	− 15 52 52.1	- - - -	+ 48.43	+ 494.52	- - -	
846	τ Sagittarii	4.0	1755	− 28 0 7.32	+ 421.63	+ 53.29	+ 448.17	−26.54	
		3.6	1850	27 53 2.76	472.07	52.88	498.55	26.48	
847	ζ Aquilæ	6.0	1755	+ 13 31 5.80	+ 459.43	+ 38.84	+ 469.71	−10.28	− 0.04
		3.0	1850	13 38 39 75	496.22	38.62	506.54	10.32	
			1900	13 42 52.68	515.50	38.50	525.84	10.34	
848	B. A. C. 6536	6.5	1755	- - - - -	- - - -	+ 49.91	+ 467.30	- - -	
		5.8	1850	− 19 31 12.6	- - - -	49.52	514.56	- - -	
849	π Sagittarii	4.5	1755	− 21 23 17.83	+ 473.98	+ 50.50	+ 478.43	− 4.45	
		3.1	1850	21 15 24.83	521.78	50.14	526.19	4.41	
850	ψ Sagittarii	6.0	1755	− 25 39 12.33	+ 519.37	+ 51.88	+ 523.52	− 4.15	
		5.4	1850	25 30 35.57	568.43	51.40	572.50	4.07	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
851	*d* Sagittarii . . .	1755	5	19 3 17.230	+ 352.013	— 0.547	+ 352.233	— 0.220	
		1850	82	19 8 51.387	351.468	0.600	351.691	0.223	
		1900	. .	19 11 47.045	351.161	0.626	351.390	0.229	
852	B. A. C. 6591 . .	1755	1	19 5 6.748	+ 344.495	— 0.481	+ 344.617	— 0.122	
		1850	2	19 10 33.794	344.016	0.527	344.138	0.122	
853	B. A. C. 6607 . .	1755	. .	19 5 56.095	+ 360.901	— 0.655	+ 360.998	— 0.097	
		1850	14	19 11 38.645	360.247	0.720	360.338	0.091	
854	δ Draconis . . .	1755	5	19 12 25.70	+ 6.02	— 2.26	+ 4.08	+ 1.94	
		1800	. .	19 12 28.17	5.00	2.28	3.07	1.93	
		1850	. .	19 12 30.38	3.86	2.31	1.94	1.92	
		1900	. .	19 12 32.02	2.70	2.32	0.78	1.92	
855	ρ^1 Sagittarii . . .	1755	4	19 7 26.917	+ 349.047	— 0.563	+ 349.295	— 0.248	
		1850	52	19 12 58.250	348.488	0.613	348.744	0.256	
856	ρ^2 Sagittarii . . .	1755	5	19 7 32.491	+ 351.133	— 0.566	+ 350.422	+ 0.711	
		1850	3	19 13 5.804	350.571	0.617	349.861	0.710	
857	ν Sagittarii . . .	1755	5	19 7 40.927	+ 344.594	— 0.504	+ 344.639	— 0.045	
		1850	20	19 13 8.056	344.091	0.555	344.139	0.048	
858	B. A. C. 6628 . .	1755	. .	19 9 12.320	+ 375.802	— 0.891	+ 375.799	+ 0.003	
		1850	10	19 15 8.917	374.916	0.976	374.909	0.007	
859	χ^1 Sagittarii . . .	1755	5	19 10 20.670	+ 366.636	— 0.782	+ 366.346	+ 0.290	
		1850	18	19 16 8.612	365.863	0.847	365.567	0.296	
860	χ^2 Sagittarii . . .	1850	3	19 16 15.366	+ 365.420	— 0.847	+ 365.308	+ 0.112	
861	χ^3 Sagittarii . . .	1755	5	19 10 38.702	+ 364.606	— 0.774	+ 364.864	— 0.258	
		1850	13	19 16 24.720	363.842	0.835	364.094	0.252	
862	50 Sagittarii . . .	1755	5	19 11 41.392	+ 359.087	— 0.714	+ 359.033	+ 0.054	
		1850	8	19 17 22.193	358.381	0.772	358.336	0.045	
863	B. A. C. 6643 . .	1850	5	19 17 38.958	+ 342.190	— 0.562	+ 341.786	+ 0.404	
864	δ Aquilæ	1755	5	19 13 8.558	+ 302.761	— 0.165	+ 301.126	+ 1.635	
		1850	956	19 17 56.104	302.597	0.180	300.967	1.630	
		1900	. .	19 20 27.380	302.505	0.187	300.880	1.625	
865	τ Draconis . . .	1755	5	19 20 5.55	— 103.88	— 5.78	— 101.35	— 2.53	
		1800	. .	19 19 18.22	106.47	5.81	103.89	2.58	
		1850	. .	19 18 24.25	109.41	5.84	106.77	2.64	
		1900	. .	19 17 28.82	112.32	5.87	109.64	2.68	
866	B. A. C. 6658 . .	1755	. .	. . . . .	. . . .	— 0.633	+ 350.268	. . .	
		1850	3	19 19 21.5	. . . .	0.680	349.646	. . .	
867	B. A. C. 6666 . .	1850	21	19 20 35.249	+ 371.825	— 1.006	+ 371.934	— 0.109	
868	h^1 Sagittarii . . .	1755	5	19 21 7.549	+ 366.129	— 0.930	+ 366.125	+ 0.004	
		1850	14	19 26 54.942	365.217	0.990	365.209	0.008	
869	h^2 Sagittarii . . .	1755	5	19 21 46.384	+ 366.876	— 0.946	+ 366.513	+ 0.363	
		1850	120	19 27 34.479	365.949	1.006	365.583	0.366	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
851	d Sagittarii	5.0	1755	− 19 21 53.76	+ 545.34	+ 49.17	+ 547.04	− 1.70	− 0.03
		5.6	1850	19 12 53.57	591.81	48.68	593.54	1.73	
			1900	19 7 51.59	616.09	48.42	617.84	1.75	
852	B. A. C. 6591	5.0	1755	. . . . .	. . . .	+ 47.98	+ 562.41	. . .	
		8.0	1850	− 16 10 32.8	. . . .	47.55	607.85	. . .	
853	B. A. C. 6607	. .	1755	− 22 49 55.84	+ 567.53	+ 50.03	+ 569.39	− 1.86	
		5.9	1850	22 40 34.19	614.80	49.50	616.80	2.00	
854	δ Draconis	3.0	1755	+ 67 13 51.36	+ 631.83	+ 0.84	+ 623.60	+ 8.23	
			1800	67 18 35.76	632.17	0.69	623.83	8.34	
		3.0	1850	67 23 51.92	632.46	0.53	623.99	8.47	
			1900	67 29 8.21	632.69	0.36	624.08	8.61	
855	ρ^1 Sagittarii	5.0	1755	− 18 17 2.76	+ 581.38	+ 48.60	+ 582.01	− 0.63	
		4.2	1850	18 7 28.59	627.33	48.15	627.84	0.51	
856	ρ^2 Sagittarii	5.5	1755	− 18 44 20.08	+ 573.55	+ 48.98	+ 582.77	− 9.22	
		6.5	1850	18 34 53.19	619.81	48.40	628.90	9.09	
857	υ Sagittarii	5.5	1755	− 16 23 28.71	+ 582.15	+ 47.84	+ 583.96	− 1.81	
		4.9	1850	16 13 54.16	627.38	47.38	629.20	1.82	
858	B. A. C. 6628	. .	1755	− 28 18 50.40	+ 594.99	+ 52.22	+ 596.66	− 1.67	
		5.9	1850	28 9 1.69	644.30	51.60	645.93	1.63	
859	χ^1 Sagittarii	6.0	1755	− 24 57 32.08	+ 599.32	+ 50.77	+ 606.23	− 6.91	
		5.4	1850	24 47 39.91	647.29	50.21	654.14	6.85	
860	χ^2 Sagittarii	6.3	1850	− 24 42 2.84	+ 649.41	+ 50.12	+ 655.09	− 5.68	
861	χ^3 Sagittarii	6.0	1755	− 24 25 2.98	+ 607.08	+ 50.39	+ 608.74	− 1.66	
		5.6	1850	24 15 3.60	654.69	49.84	656.38	1.69	
862	50 Sagittarii	6.5	1755	− 22 14 14.98	+ 616.59	+ 49.58	+ 617.45	− 0.86	
		5.9	1850	22 4 6.93	663.44	49.05	664.30	0.86	
863	B. A. C. 6643	5.9	1850	− 15 20 44.23	+ 664.42	+ 46.85	+ 666.56	− 2.14	
864	δ Aquilæ	3.5	1755	+ 2 38 47.43	+ 636.93	+ 41.89	+ 629.55	+ 7.38	+ 0.21
		3.4	1850	2 49 11.36	676.55	41.52	668.97	7.58	
			1900	2 54 54.81	697.25	41.32	689.57	7.68	
865	τ Draconis	4.5	1755	+ 72 53 35.05	+ 698.31	− 14.88	+ 687.02	+11.29	
			1800	72 58 47.77	691.53	15.26	680.40	11.13	
		4.7	1850	73 4 31.60	683.78	15.69	672.83	10.95	
			1900	73 10 11.52	675.84	16.10	665.06	10.78	
866	B. A. C. 6658	. .	1755	− 18 49 55.13	+ 637.76	+ 48.20	+ 635.14	+ 2.62	
		7.3	1850	18 39 27.61	683.25	47.56	680.70	2.55	
867	B. A. C. 6666	5.8	1850	− 27 17 14.56	+ 686.98	+ 50.61	+ 690.76	− 3.78	
868	h^1 Sagittarii	6.0	1755	− 25 13 54.47	+ 693.16	+ 49.80	+ 695.51	− 2.35	
		5¼–6¾	1850	25 2 33.59	740.17	49.18	742.51	2.34	
869	h^2 Sagittarii	4.5	1755	− 25 23 59.95	+ 698.07	+ 49.90	+ 700.83	− 2.76	
		4.7	1850	25 12 34.36	745.17	49.26	747.86	2.69	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s*	*s.*
870	B. A. C. 6707 . .	1850	5	19 27 41.259	+ 350.479	— 0.775	+ 350.322	+ 0.157	
871	B. A. C. 6710 . .	1850	2	19 28 20.928	+ 348.990	— 0.754	+ 348.773	+ 0.217	
872	κ Aquilæ	1755	5	19 23 42.109	+ 323.466	— 0.410	+ 323.560	— 0.094	
		1850	132	19 28 49.213	323.065	0.435	323.159	0.094	
		1900	. .	19 31 30.691	322.844	0.448	322.941	0.097	
873	53 Sagittarii . . .	1755	5	19 25 4.709	+ 362.144	— 0.920	+ 362.399	— 0.255	
		1850	10	19 30 48.322	361.244	0.974	361.484	0.240	
874	B. A. C. 6727 . .	1755	5	19 25 21.884	+ 362.486	— 0.930	+ 362.382	+ 0.104	
		1850	11	19 31 5.817	361.577	0.984	361.465	0.112	
875	c^1 Sagittarii . . .	1755	5	19 26 40.130	+ 345.021	— 0.681	+ 344.606	+ 0.415	
		1850	31	19 32 7.587	344.356	0.720	343.936	0.420	
876	c^2 Sagittarii . . .	1755	5	19 28 29.180	+ 344.521	— 0.696	+ 344.117	+ 0.404	
		1850	65	19 33 56.156	343.843	0.733	343.434	0.409	
877	B. A. C. 6746 . .	1850	8	19 35 0.022	+ 342.860	— 0.697	+ 341.841	+ 1.019	
878	f Sagittarii . . .	1755	5	19 32 2.920	+ 351.545	— 0.851	+ 352.615	— 1.070	
		1850	52	19 37 36.497	350.716	0.895	351.777	1.061	
879	γ Aquilæ	1755	50	19 34 36.666	+ 285.359	— 0.097	+ 285.317	+ 0.042	
		1850	. .	19 39 7.712	285.265	0.102	285.222	0.043	
		1900	. .	19 41 30.332	285.213	0.105	285.173	0.040	
880	α Aquilæ	1755	. .	19 38 49.590	+ 293.008	— 0.177	+ 289.399	+ 3.609	—0.023
		1850	. .	19 43 27.867	292.837	0.183	289.247	3.590	
		1900	. .	19 45 54.263	292.745	0.184	289.168	3.577	
881	57 Sagittarii . . .	1755	1	19 37 56.168	+ 350.491	— 0.876	+ 350.453	+ 0.038	
		1850	30	19 43 28.733	349.640	0.916	349.596	0.044	
882	ω Sagittarii . . .	1755	5	19 40 47.877	+ 369.882	— 1.268	+ 368.474	+ 1.408	
		1850	26	19 46 38.686	368.655	1.316	367.256	1.399	
883	b Sagittarii . . .	1755	5	19 41 52.794	+ 370.503	— 1.293	+ 370.655	— 0.151	
		1850	26	19 47 44.179	369.248	1.349	369.397	0.149	
884	β Aquilæ	1755	50	19 43 16.619	+ 294.897	— 0.136	+ 294.738	+ 0.159	+0.028
		1850	. .	19 47 56.708	294.764	0.144	294.576	0.188	
		1900	. .	19 50 24.072	294.690	0.147	294.493	0.197	
885	ϵ Draconis . . .	1755	2	19 48 52.76	— 12.15	— 4.20	— 13.59	+ 1.44	
		1800	. .	19 48 46.86	14.06	4.26	15.50	1.44	
		1850	. .	19 48 39.29	16.21	4.34	17.65	1.44	
		1900	. .	19 48 30.64	18.38	4.42	19.85	1.47	
886	g Sagittarii . . .	1755	5	19 44 2.121	+ 341.696	— 0.790	+ 341.742	— 0.046	
		1850	15	19 49 26.369	340.927	0.829	340.971	0.044	
887	A Sagittarii . . .	1755	5	19 43 59.585	+ 367.893	— 1.275	+ 367.821	+ 0.072	
		1850	30	19 49 48.500	366.658	1.326	366.587	0.071	
888	c Sagittarii . . .	1755	5	19 47 33.266	+ 371.624	— 1.401	+ 371.415	+ 0.209	
		1850	136	19 53 25.669	370.269	1.452	370.063	0.206	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
870	B. A. C. 6707	6.4	1850	— 19 10 44.52	+ 748.45	+ 47.13	+ 748.80	— 0.35	
871	B. A. C. 6710	5.8	1850	— 18 33 34.20	+ 748.54	+ 46.88	+ 754.14	— 5.60	
872	κ Aquilæ	4.0	1755	— 7 33 4.48	+ 716.69	+ 43.79	+ 716.61	+ 0.08	0.00
		5.4	1850	7 21 23.94	758.05	43.30	757.97	0.08	
			1900	7 14 59.52	779.63	43.04	779.55	0.08	
873	53 Sagittarii	7.0	1755	— 23 57 38.94	+ 722.82	+ 48.89	+ 727.86	— 5.04	
		6.7	1850	23 45 50.33	768.86	48.03	774.05	5.19	
874	B. A. C. 6727	7.0	1755	— 23 57 56.31	+ 728.69	+ 48.96	+ 730.21	— 1.52	
		6.2	1850	23 46 2.06	774.89	48.32	776.40	1.51	
875	e^1 Sagittarii	5.5	1755	— 16 49 56.74	+ 735.34	+ 46.51	+ 740.83	— 5.49	
		5.5	1850	16 37 57.26	779.26	45.95	784.66	5.40	
876	e^2 Sagittarii	5.0	1755	— 16 40 31.36	+ 753.54	+ 46.29	+ 755.58	— 2.04	
		5.4	1850	16 28 14.70	797.24	45.72	799.23	1.99	
877	B. A. C. 6746	5.8	1850	— 15 48 47.81	+ 787.11	+ 45.57	+ 807.73	—20.62	
878	f Sagittarii	6.0	1755	— 20 19 38.38	+ 774.89	+ 46.77	+ 784.39	— 9.50	
		5.2	1850	20 7 1.20	819.00	46.10	828.60	9.60	
879	γ Aquilæ	3.0	1755	+ 10 2 4.25	+ 804.21	+ 37.67	+ 805.06	— 0.85	+ 0.01
		3.0	1850	10 15 5.17	839.86	37.39	840.70	0.84	
			1900	10 22 9.77	858.52	37.25	859.36	0.84	
880	α Aquilæ	1.5	1755	+ 8 14 24.72	+ 875.09	+ 38.96	+ 838.64	+36.45	+ 0.47
		1.1	1850	8 28 33.57	911.90	38.52	875.02	36.88	
			1900	8 36 14.32	931.10	38.29	893.97	37.13	
881	57 Sagittarii	5.5	1755	— 19 38 41.18	+ 824.97	+ 46.18	+ 831.56	— 6.59	
		6.1	1850	19 25 16.72	868.53	45.52	875.11	6.58	
882	ω Sagittarii	6.0	1755	— 26 55 35.52	+ 863.74	+ 48.74	+ 854.25	+ 9.49	
		5.1	1850	26 41 33 11	909.64	47.91	899.96	9.68	
883	b Sagittarii	5.0	1755	— 27 47 43.87	+ 859.28	+ 48.40	+ 862.85	— 3.57	
		4.6	1850	27 33 45.82	904.89	47.61	908.47	3.58	
884	β Aquilæ	3.5	1755	+ 5 48 48.24	+ 824.76	+ 38.38	+ 873.87	—49.11	+ 0.02
		3.9	1850	6 2 9.02	861.02	37.94	910.12	49.10	
			1900	6 9 24.26	879.94	37.71	929.02	49.08	
885	ε Draconis	5.5	1755	+ 69 38 35.51	+ 920.25	— 1.78	+ 917.76	+ 2.49	
			1800	69 45 29.44	919.40	2.03	916.83	2.57	
		3.7	1850	69 53 8.87	918.31	2.31	915.65	2.66	
			1900	70 0 47.73	917.09	2.60	914.32	2.77	
886	g Sagittarii	6.0	1755	— 16 7 13.67	+ 870.94	+ 44.42	+ 879.85	— 8.91	
		5.3	1850	15 53 6.33	912.83	43.77	921.75	8.92	
887	A Sagittarii	5.5	1755	— 26 50 6.92	+ 881.34	+ 47.87	+ 879.53	+ 1.81	
		5.3	1850	26 35 48.16	926.44	47.08	924.59	1.85	
888	c Sagittarii	4.5	1755	— 28 22 4.41	+ 909.03	+ 47.99	+ 907.44	+ 1.59	
		4.7	1850	28 7 19.31	954.22	47.15	952.60	1.62	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
889	63 Sagittarii	1755	5	19 48 14.009	+ 337.467	— 0.766	+ 337.350	+ 0.117	
		1850	15	19 53 34.253	336.727	0.792	336.608	0.119	
890	r Aquilæ	1755	5	19 52 9.886	+ 293.575	— 0.198	+ 293.326	+ 0.249	
		1850	63	19 56 48.692	293.385	0.201	293.137	0.248	
		1900	..	19 59 15.360	293.285	0.201	293.041	0.244	
891	65 Sagittarii	1755	5	19 51 48.016	+ 334.812	— 0.747	+ 335.011	— 0.199	
		1850	5	19 57 5.747	334.092	0.769	334.284	0.192	
892	ξ^1 Capricorni	1755	5	19 58 22.156	+ 333.837	— 0.781	+ 334.062	— 0.225	
		1850	12	20 3 38.944	333.082	0.810	333.309	0.227	
893	ξ^2 Capricorni	1755	5	19 58 45.700	+ 335.641	— 0.774	+ 334.497	+ 1.144	
		1850	12	20 4 4.207	334.896	0.794	333.741	1.155	
894	3 Capricorni	1755	5	20 2 47.733	+ 333.619	— 0.806	+ 333.694	— 0.075	
		1850	5	20 8 4.304	332.845	0.824	332.915	0.070	
895	4 Capricorni	1755	5	20 3 35.883	+ 354.715	— 1.232	+ 354.644	+ 0.071	
		1850	15	20 9 12.301	353.530	1.263	353.456	0.074	
896	α^1 Capricorni	1755	9	20 4 2.904	+ 334.010	— 0.823	+ 333.982	+ 0.028	
		1850	114	20 9 19.839	333.221	0.839	333.193	0.028	
897	α^2 Capricorni	1755	9	20 4 26.473	+ 334.347	— 0.827	+ 334.037	+ 0.310	
		1850	..	20 9 43.726	333.554	0.844	333.242	0.312	
		1900	..	20 12 30.397	333.130	0.853	332.820	0.310	
898	σ Capricorni	1755	5	20 5 13.697	+ 348.244	— 1.116	+ 348.285	— 0.041	
		1850	29	20 10 44.022	347.172	1.140	347.211	0.039	
899	ν Capricorni	1755	5	20 7 3.208	+ 334.227	— 0.855	+ 334.322	— 0.095	
		1850	8	20 12 20.337	333.411	0.864	333.509	0.098	
900	B. A. C. 6992	1755	4	20 6 59.277	+ 338.743	— 0.932	+ 338.624	+ 0.119	
		1850	12	20 12 20.660	337.849	0.951	337.727	0.122	
901	β Capricorni	1755	5	20 7 13.359	+ 338.788	— 0.937	+ 338.602	+ 0.186	
		1850	159	20 12 34.782	337.888	0.957	337.702	0.186	
902	λ Ursæ Minoris	1755	..	21 17 40.87	—3033.51	—1806.85	—3030.19	— 3.32	
		1775	..	21 6 56.11	3419.71	2055.82	3415.94	3.77	
		1800	..	20 51 33.20	3975.33	2388.14	3970.91	4.42	
		1825	..	20 33 41.18	4612.77	2702.72	4607.60	5.17	
		1850	..	20 13 0.78	5320.43	2936.22	5314.42	6.01	
		1875	..	19 49 18.01	6064.97	2975.83	6058.09	6.88	
		1900	..	19 22 31.37	—6781.07	2689.28	—6773.33	— 7.74	
903	α Pavonis	1850	..	20 13 45.15	+ 480 5	— 5.89	+ 480.38	+ 0.37	
		1875	..	20 15 45.16	479 27	5.92	478.90	0.37	
		1900	..	20 17 44.79	477.78	5.96	477.41	0.37	
904	κ Cephei	1755	..	20 16 39.92	— 170.68	—15.56	— 170.95	+ 0.27	
		1800	..	20 15 21.50	177.77	15.90	178.03	0.26	
		1850	..	20 13 50.60	185.84	16.35	186.09	0.25	
		1900	..	20 12 15.63	194.08	16.77	194.35	0.27	

902. The reductions to past epochs are somewhat uncertain.

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
889	63 Sagittarii	6.0	1755	− 14 17 42.61	+ 914.30	+ 43.46	+ 912.73	+ 1.57	
		5.7	1850	14 2 54.51	955.28	42.82	953.70	1.58	
890	τ Aquilæ	5.5	1755	+ 6 36 16.00	+ 943.96	+ 37.45	+ 943.24	+ 0.72	+ 0.03
		5.9	1850	6 51 29.59	979.31	36.97	978.56	0.75	
			1900	6 59 43.86	997.73	36.71	996.96	0.77	
891	65 Sagittarii	6.0	1755	− 13 20 13.43	+ 935.37	+ 42.72	+ 940.43	− 5.06	
		6.7	1850	13 5 5.66	975.64	42.07	980.72	5.08	
892	ξ^1 Capricorni	6.5	1755	− 13 5 59.74	+ 988.67	+ 41.89	+ 990.84	− 2.17	
		6.8	1850	12 50 1.70	1028.15	41.22	1030.36	2.21	
893	ξ^2 Capricorni	6.0	1755	− 13 18 54.88	+ 974.84	+ 42.16	+ 993.82	−18.98	
		6.3	1850	13 3 9.86	1014.61	41.57	1033.52	18.91	
894	3 Capricorni	6.5	1755	− 13 4 3.74	+ 1023.83	+ 41.40	+ 1024.35	− 0.52	
		6.8	1850	12 47 32.52	1062.83	40.70	1063.37	0.54	
895	4 Capricorni	6.0	1755	− 22 32 42.48	+ 1026.61	+ 43.97	+ 1030.37	− 3.76	
		6.1	1850	22 16 7.48	1067.99	43.14	1071.76	3.77	
896	a^1 Capricorni	4.0	1755	− 13 14 44.83	+ 1034.11	+ 41.32	+ 1033.76	+ 0.35	
		4.5	1850	12 58 3.89	1073.03	40.62	1072.67	0.36	
897	a^2 Capricorni	3.0	1755	− 13 17 14.05	+ 1036.75	+ 41.31	+ 1036.73	+ 0.02	+ 0.01
		3.6	1850	13 0 20.61	1075.65	40.58	1075.62	0.03	
			1900	12 51 17.73	1095.85	40.20	1095.82	0.03	
898	σ Capricorni	5.5	1755	− 19 51 45.81	+ 1041.73	+ 42.95	+ 1042.60	− 0.87	
		5.6	1850	19 34 56.91	1082.16	42.16	1082.99	0.83	
899	ν Capricorni	5.0	1755	− 13 30 37.71	+ 1055.45	+ 40.99	+ 1056.22	− 0.77	
		5.2	1850	13 13 36.55	1094.05	40.27	1094.84	0.79	
900	B. A. C. 6992	7.0	1755	− 15 32 14.63	+ 1055.33	+ 41.63	+ 1055.73	− 0.40	
		6.7	1850	15 15 13.39	1094.50	40.83	1094.88	0.38	
901	β Capricorni	3.5	1755	− 15 32 6.54	+ 1057.08	+ 41.62	+ 1057.45	− 0.37	
		3.2	1850	15 15 3.57	1096.32	40.93	1096.60	0.28	
902	λ Ursæ Minoris		1755	+ 88 30 23.06	+ 1525.75	−288.84	+ 1523.91	+ 1.84	
			1775	88 35 22.10	1462.77	343.02	1461.00	1.77	
			1800	88 41 16.25	1366.95	425.97	1365.29	1.66	
			1825	88 46 43.64	1248.05	528.34	1246.52	1.53	
		6.3	1850	88 51 37.91	1101.13	650.27	1099.77	1.36	
			1875	88 55 51.48	921.72	787.33	920.56	1.16	
			1900	+ 88 59 15.81	+ 707.44	−927.16	+ 706.52	+ 0.92	
903	α Pavonis	2.1	1850	− 57 12 34.96	− 1096.09	+ 58.09	+ 1105.16	− 9.07	
			1875	57 7 59.13	1110.55	57.57	1119.62	9.07	
			1900	57 3 19.70	1124.88	57.04	1133.94	9.06	
904	κ Cephei	4.5	1755	+ 76 57 42.66	+ 1129.61	− 21.05	+ 1126.82	+ 2.79	
			1800	77 6 8.82	1119.94	21.99	1117.13	2.81	
		4.3	1850	77 15 25.99	1108.66	23.06	1105.84	2.82	
			1900	77 24 37.40	1096.87	24.16	1094.03	2.84	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
905	γ Cygni	1755	5	20 13 26.352	+ 215.127	+ 0.174	+ 214.949	+ 0.178	
		1850	87	20 16 50.803	215.298	0.186	215.119	0.179	
		1900	- -	20 18 38.475	215.392	0.191	215.212	0.180	
906	π Capricorni	1755	5	20 13 16.138	+ 345.485	— 1.121	+ 345.476	+ 0.009	
		1850	117	20 18 43.840	344.409	1.145	344.390	0.019	
		1900	- -	20 21 35.901	343.834	1.155	343.814	0.020	
907	ρ Capricorni	1755	5	20 14 51.397	+ 344.313	— 1.117	+ 344.451	— 0.138	
		1850	209	20 20 17.987	343.243	1.136	343.377	0.134	
908	B. A. C. 7043	1850	- -	20 20 26.2	- - - -	— 1.120	+ 342.560	- - -	
909	B. A. C. 7044	1755	1	20 14 59.470	+ 344.616	— 1.106	+ 344.553	+ 0.063	
		1850	13	20 20 26.353	343.556	1.125	343.484	0.072	
910	B. A. C. 7049	1755	- -	20 15 6.754	+ 354.476	— 1.387	+ 354.609	— 0.133	
		1850	14	20 20 42.881	353.161	1.382	353.308	0.147	
911	o Capricorni	1755	5	20 15 49.466	+ 346.013	— 1.155	+ 346.015	— 0.002	
		1850	6	20 21 17.654	344.906	1.175	344.901	+ 0.005	
912	B. A. C. 7063	1850	- -	20 22 42.	- - - -	— 1.019	+ 337.401	- - -	
913	B. A. C. 7077	1755	- -	20 18 14.420	+ 360.336	— 1.532	+ 360.127	+ 0.209	
		1850	18	20 23 56.047	358.877	1.545	358.659	0.218	
914	B. A. C. 7087	1850	5	20 25 50.229	+ 334.433	— 0.979	+ 334.454	— 0.021	
915	ε Delphini	1755	5	20 21 30.305	+ 286.894	— 0.134	+ 286.809	+ 0.085	
		1850	284	20 26 2.794	286.769	0.128	286.683	0.086	
		1900	- -	20 28 26.163	286.707	0.122	286.620	0.087	
916	τ^1 Capricorni	1755	5	20 23 35.101	+ 338.539	— 1.030	+ 338.025	+ 0.514	
		1850	8	20 28 56.244	337.546	1.060	337.028	0.518	
917	Groombridge 3241	1755	- -	20 30 52.39	— 13.23	— 6.28	— 12.95	— 0.28	
		1800	- -	20 30 45.80	16.09	6.43	15.81	0.28	
		1850	- -	20 30 36.94	19.35	6.61	19.07	0.28	
		1900	- -	20 30 26.42	22.70	6.79	22.42	0.28	
918	τ^2 Capricorni	1755	5	20 25 32.685	+ 337.470	— 1.041	+ 337.459	+ 0.011	
		1850	35	20 30 52.809	336.476	1.052	336.463	0.013	
919	ν Capricorni	1755	5	20 26 4.298	+ 343.766	— 1.205	+ 343.977	— 0.211	
		1850	45	20 31 30.330	342.616	1.217	342.825	0.209	
920	α Cygni	1755	⊙	20 33 5.146	+ 204.153	+ 0.198	+ 204.109	+ 0.044	
		1850	- -	20 36 19.182	204.349	0.214	204.299	0.050	
		1900	- -	20 38 1.384	204.458	0.224	204.406	0.052	
921	ψ Capricorni	1755	5	20 31 32.739	+ 358.304	— 1.641	+ 358.788	— 0.484	
		1850	43	20 37 12.384	356.736	1.659	357.209	0.473	
922	17 Capricorni	1755	5	20 31 55.542	+ 350.496	— 1.443	+ 350.425	+ 0.071	
		1850	15	20 37 27.861	349.123	1.448	349.057	0.066	
923	B. A. C. 7237	1755	- -	20 38 36.516	+ 354.806	— 1.587	+ 354.329	+ 0.477	
		1850	12	20 44 12.862	353.284	1.617	352.790	0.494	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
905	γ Cygni	3.0	1755	+ 39 29 5.18	+ 1102.65	+ 25.73	+ 1103.34	— 0.69	0.00
		2.3	1850	39 46 44.28	1126.97	25.46	1127.66	0.69	
			1900	39 56 10.94	1139.67	25.32	1140.36	0.69	
906	π Capricorni	5.0	1755	— 18 59 41.81	+ 1100.35	+ 41.67	+ 1102.08	— 1.73	0.00
		5.5	1850	18 41 57.81	1139.53	40.82	1141.26	1.73	
			1900	18 32 22.96	1159.83	40.38	1161.56	1.73	
907	ρ Capricorni	6.0	1755	— 18 36 14.47	+ 1111.70	+ 41.29	+ 1113.69	— 1.99	
		5.3	1850	18 18 19.86	1150.53	40.47	1152.54	2.01	
908	B. A. C. 7043	6.7	1850	— 17 55 32.0	. . . .	+ 40.31	+ 1153.52	. . .	
909	B. A. C. 7044	7.5	1755	— 18 39 31.83	+ 1099.85	+ 41.33	+ 1114.68	—14.83	
		7.0	1850	18 21 48.45	1138.72	40.51	1153.55	14.83	
910	B. A. C. 7049	. .	1755	— 23 10 59.00	+ 1111.14	+ 42.49	+ 1115.54	— 4.40	
		6.5	1850	22 53 4.38	1151.08	41.58	1155.50	4.42	
911	ο Capricorni	6.0	1755	— 19 22 27.34	+ 1112.41	+ 41.39	+ 1120.72	— 8.31	
		6.2	1850	19 4 32.00	1151.33	40.56	1159.65	8.32	
912	B. A. C. 7063	6.4	1850	— 15 33	. . . .	+ 39.48	+ 1169.66	. . .	
913	B. A. C. 7077	. .	1755	— 25 44 56.14	+ 1128.73	+ 42.51	+ 1138.42	— 9.69	
		6.4	1850	25 26 44.81	1168.66	41.56	1178.40	9.74	
914	B. A. C. 7087	6.3	1850	— 14 13 56.56	+ 1197.06	+ 38.72	+ 1191.88	+ 5.18	
915	ε Delphini	4.0	1755	+ 10 29 11.78	+ 1159.46	+ 33.61	+ 1161.64	— 2.18	— 0.01
		4.0	1850	10 47 48.35	1191.13	33.08	1193.32	2.19	
			1900	10 57 48.04	1207.60	32.80	1209.79	2.19	
916	τ^1 Capricorni	6.0	1755	— 15 58 38.63	+ 1172.34	+ 39.56	+ 1176.43	— 4.09	
		7.0	1850	15 39 47.21	1209.53	38.75	1213.56	4.03	
917	Groombridge 3241	6.0	1755	+ 71 42 0.00	+ 1225.59	— 2.09	+ 1227.51	— 1.92	
			1800	71 51 11.29	1224.58	2.42	1226.52	1.94	
		6.0	1850	72 1 23.26	1223.27	2.80	1225.22	1.95	
			1900	72 11 34.53	1221.78	3.18	1223.74	1.96	
918	τ^2 Capricorni	6.0	1755	— 15 47 43.01	+ 1187.39	+ 39.17	+ 1190.27	— 2.88	
		5.6	1850	15 28 37.45	1224.18	38.28	1227.05	2.87	
919	υ Capricorni	5.0	1755	— 18 58 58.49	+ 1193.83	+ 39.77	+ 1193.99	— 0.16	
		5.7	1850	18 39 46.55	1231.19	38.90	1231.37	0.18	
920	α Cygni	1.0	1755	+ 44 24 57.28	+ 1241.92	+ 22.87	+ 1242.77	— 0.85	+ 0.01
		1.7	1850	44 44 47.38	1263.52	22.60	1264.36	0.84	
			1900	44 55 21.96	1274.78	22.46	1275.62	0.84	
921	ψ Capricorni	4.5	1755	— 26 7 54.78	+ 1215.99	+ 40.67	+ 1232.16	—16.17	
		4.3	1850	25 48 21.39	1254.15	39.67	1270.37	16.22	
922	17 Capricorni	6.0	1755	— 22 23 7.66	+ 1231.90	+ 39.90	+ 1234.76	— 2.86	
		6.0	1850	22 3 19.49	1269.38	39.00	1272.12	2.74	
923	B. A. C. 7237	. .	1755	— 24 40 54.23	+ 1271.48	+ 39.50	+ 1280.27	—8.79	
		6.9	1850	24 20 28.66	1308.49	38.43	1317.24	8.75	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
924	μ Aquarii	1755	5	20 39 25.136	+ 325.088	— 0.820	+ 324.881	+ 0.207	
		1850	163	20 44 33.598	324.307	0.825	324.106	0.201	
		1900	. .	20 47 15.648	323.895	0.824	323.692	0.203	
925	19 Capricorni . . .	1755	5	20 40 55.262	+ 341.322	— 1.278	+ 341.832	— 0.510	
		1850	13	20 46 18.940	340.107	1.281	340.620	0.513	
926	7 Aquarii	1755	5	20 43 38.368	+ 325.833	— 0.872	+ 325.952	— 0.119	
		1850	6	20 48 47.517	325.007	0.869	325.125	0.118	
927	B. A. C. 7263 . .	1850	6	20 49 16.323	+ 337.121	— 1.084	+ 336.661	+ 0.460	
928	Lal. 40522 . . .	1850	. .	20 50 23.6	. . . .	— 1.108	+ 333.659	. . .	
929	20 Capricorni . . .	1755	5	20 45 38.621	+ 343.559	— 1.356	+ 343.445	+ 0.114	
		1850	13	20 51 4.389	342.270	1.358	342.156	0.114	
930	ν Cygni	1755	4	20 48 3.056	+ 222.930	+ 0.343	+ 222.905	+ 0.025	
		1850	128	20 51 34.998	223.267	0.366	223.246	0.021	
		1900	. .	20 53 26.678	223.453	0.379	223.428	0.025	
931	8 Aquarii	1755	5	20 46 25.388	+ 331.609	— 1.039	+ 331.910	— 0.301	
		1850	3	20 51 39.948	330.624	1.035	330.921	0.297	
932	21 Capricorni . . .	1755	5	20 47 2.441	+ 340.025	— 1.277	+ 340.323	— 0.298	
		1850	19	20 52 24.888	338.811	1.278	339.108	0.297	
933	9 Aquarii	1755	5	20 47 36.645	+ 332.530	— 1.076	+ 332.692	— 0.162	
		1850	5	20 52 52.064	331.509	1.074	331.677	0.168	
934	12 Year Cat. 1879 .	1755	. .	20 57 50.64	— 215.36	—27.53	— 214.21	— 1.15	
		1775	. .	20 57 7.01	220.95	28.07	219.80	1.15	
		1800	. .	20 56 10.89	228.04	28.75	226.89	1.15	
		1825	. .	20 55 12.96	235.33	29.44	234.18	1.15	
		1850	. .	20 54 13.21	242.78	30.15	241.63	1.15	
		1875	. .	20 53 11.55	250.41	30.88	249.26	1.15	
		1900	. .	20 52 7.99	— 258.23	—31.62	— 257.08	— 1.15	
935	η Capricorni . . .	1755	5	20 50 25.490	+ 344.056	— 1.430	+ 344.411	— 0.355	
		1850	39	20 55 51.699	342.698	1.428	343.054	0.356	
936	θ Capricorni . . .	1755	5	20 52 8.580	+ 339.597	— 1.284	+ 339.125	+ 0.472	
		1850	156	20 57 30.617	338.378	1.282	337.908	0.470	
937	B. A. C. 7325 . .	1755	1	20 52 41.879	+ 344.628	— 1.454	+ 344.718	— 0.090	
		1850	3	20 58 8.620	343.247	1.454	343.337	0.090	
938	χ Capricorni . . .	1755	5	20 54 29.125	+ 346.567	— 1.541	+ 346.439	+ 0.128	
		1850	11	20 59 57.670	345.106	1.536	344.985	0.121	
939	61^1 Cygni	1755	2	20 55 56.104	+ 267.779	+ 0.370	+ 232.986	+34.793	+0.029
		1850	483	21 0 10.670	268.152	0.415	233.317	34.835	
		1900	. .	21 2 24.797	268.366	0.442	233.525	34.841	
940	26 Capricorni . . .	1755	3	20 55 15.793	+ 344.395	— 1.470	+ 344.371	+ 0.024	
		1850	3	21 0 42.306	343.000	1.466	342.973	0.027	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
924	μ Aquarii	4.5	1755	− 9 53 7.01	+ 1281.49	+ 35.87	+ 1285.83	− 4.34	+ 0.01
		5.0	1850	9 32 33.53	1315.18	35.06	1319.51	4.33	
			1900	9 21 31.58	1332.60	34.62	1336.93	4.33	
925	19 Capricorni	6.0	1755	− 18 50 3.16	+ 1294.18	+ 37.51	+ 1295.88	− 1.70	
		6.1	1850	18 29 16.91	1329.38	36.57	1331.04	1.66	
926	7 Aquarii	6.0	1755	− 10 37 12.10	+ 1312.69	+ 35.34	+ 1313.97	− 1.28	
		5.9	1850	10 16 9.21	1345.88	34.53	1347.16	1.28	
927	B. A. C. 7263	5.9	1850	− 16 36 18.75	+ 1347.42	+ 35.83	+ 1350.29	− 2.87	
928	Lal. 40522	6.1	1850	− 15 3 33.2	- - - -	+ 35.24	+ 1357.52	- - -	
929	20 Capricorni	6.0	1755	− 19 58 2.02	+ 1324.69	+ 37.03	+ 1327.18	− 2.49	
		6.3	1850	19 36 47.01	1359.37	36.00	1361.91	2.54	
930	ν Cygni	4.0	1755	+ 40 14 6.01	+ 1341.09	+ 23.59	+ 1342.92	− 1.83	0.00
		4.0	1850	40 35 30.64	1363.34	23.26	1365.17	1.83	
			1900	40 46 55.21	1374.94	23.10	1376.77	1.83	
931	8 Aquarii	6.0	1755	− 13 59 14.42	+ 1331.15	+ 35.57	+ 1332.29	− 1.14	
		6.8	1850	13 37 53.91	1364.53	34.70	1365.70	1.17	
932	21 Capricorni	6.0	1755	− 18 28 10.13	+ 1336.51	+ 36.39	+ 1336.33	+ 0.18	
		6.4	1850	18 6 44.17	1370.64	35.47	1370.50	0.14	
933	9 Aquarii	6.0	1755	− 14 28 15.24	+ 1338.74	+ 35.59	+ 1340.03	− 1.29	
		6.8	1850	14 6 47.51	1372.12	34.72	1373.40	1.28	
934	12 Year Cat. 1879	- -	1755	+ 79 37 11.00	+ 1402.46	− 23.15	+ 1405.37	− 2.91	
			1775	79 41 51.02	1397.78	23.81	1400.71	2.93	
			1800	79 47 39.70	1391.74	24.63	1394.79	2.96	
			1825	79 53 26.86	1385.46	25.50	1388.45	2.99	
		5.3	1850	79 59 12.40	1378.98	26.39	1382.00	3.02	
			1875	80 4 56.31	1372.27	27.29	1375.32	3.05	
			1900	+ 80 10 38.52	+ 1365.33	− 28.22	+ 1368.42	− 3.09	
935	η Capricorni	5.0	1755	− 20 48 21.42	+ 1352.39	+ 36.42	+ 1358.30	− 5.91	
		5.1	1850	20 26 40.38	1386.53	35.47	1392.42	5.89	
936	θ Capricorni	5.5	1755	− 18 11 21.26	+ 1361.71	+ 35.76	+ 1369.29	− 7.58	
		4.1	1850	17 49 31.62	1395.23	34.80	1402.70	7.47	
937	B. A. C. 7325	7.0	1755	− 21 8 32.99	+ 1369.39	+ 36.06	+ 1372.87	− 3.48	
		6.9	1850	20 46 35.95	1403.18	35.08	1406.69	3.51	
938	χ Capricorni	5.5	1755	− 22 9 38.96	+ 1377.79	+ 36.08	+ 1384.22	− 6.43	
		5.4	1850	21 47 33.91	1411.65	35.21	1417.96	6.31	
939	61^1 Cygni	5.5	1755	+ 37 33 31.55	+ 1712.64	+ 30.35	+ 1393.41	+319.23	+ 2.94
		5.0	1850	38 0 52.21	1741.31	30.00	1419.30	322.01	2.94
			1900	38 15 26.60	1756.27	29.82	1432.78	323.49	2.94
940	26 Capricorni	7.5	1755	− 21 10 1.89	+ 1388.23	+ 35.66	+ 1389.16	− 0.93	
		7.0	1850	20 47 47.14	1421.63	34.66	1422.62	0.99	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
941	27 Capricorni	1755	5	20 55 30.128	+ 345.855	— 1.494	+ 345.025	+ 0.830	
		1850	3	21 0 58.018	344.438	1.490	343.609	0.829	
942	ν Aquarii	1755	5	20 56 13.423	+ 328.594	— 0.986	+ 328.040	+ 0.554	
		1850	70	21 1 25.144	327.660	0.979	327.107	0.553	
943	ζ Cygni	1755	5	21 2 31.393	+ 254.456	+ 0.356	+ 254.646	— 0.190	+0.003
		1850	899	21 6 33.291	254.808	0.384	254.994	0.186	
		1900	. .	21 8 40.744	255.004	0.400	255.190	0.186	
944	ϕ Capricorni	1755	5	21 1 38.953	+ 344.185	— 1.532	+ 344.276	— 0.091	
		1850	17	21 7 5.238	342.733	1.524	342.829	0.096	
945	29 Capricorni	1755	5	21 2 9.324	+ 334.325	— 1.200	+ 334.170	+ 0.155	
		1850	27	21 7 26.392	333.190	1.190	333.034	0.156	
946	14 Aquarii	1755	4	21 3 7.268	+ 323.697	— 0.893	+ 323.812	— 0.115	
		1850	7	21 8 14.378	322.854	0.882	322.972	0.118	
947	30 Capricorni	1755	5	21 4 10.749	+ 338.990	— 1.367	+ 338.956	+ 0.034	
		1850	3	21 9 32.174	337.696	1.357	337.660	0.036	
948	31 Capricorni	1755	3	21 4 30.844	+ 338.399	— 1.340	+ 337.969	+ 0.430	
		1850	3	21 9 51.721	337.131	1.330	336.699	0.432	
949	ι Capricorni	1755	5	21 8 34.254	+ 336.469	— 1.312	+ 336.318	+ 0.151	
		1850	153	21 13 53.309	335.228	1.300	335.075	0.153	
950	B. A. C. 7408	1755	2	21 8 48.312	+ 323.601	— 0.909	+ 323.594	+ 0.007	
		1850	10	21 13 55.325	322.745	0.894	322.745	0.000	
951	17 Aquarii	1755	5	21 9 46.987	+ 323.104	— 0.916	+ 323.516	— 0.412	
		1850	6	21 14 53.526	322.246	0.891	322.661	0.415	
952	α Cephei	1755	3	21 12 42.732	+ 144.524	— 0.627	+ 142.340	+ 2.184	+0.029
		1850	653	21 14 59.742	143.917	0.651	141.703	2.214	
		1900	. .	21 16 11.618	143.588	0.664	141.360	2.228	
953	1 Pegasi	1755	4	21 10 45.846	+ 276.990	+ 0.151	+ 276.400	+ 0.590	—0.002
		1850	64	21 15 9.059	277.147	0.180	276.560	0.587	
		1900	. .	21 17 27.656	277.241	0.195	276.654	0.587	
954	33 Capricorni	1755	5	21 10 13.595	+ 343.061	— 1.560	+ 343.244	— 0.183	
		1850	14	21 15 38.802	341.587	1.543	341.769	0.182	
955	18 Aquarii	1755	5	21 10 46.528	+ 329.907	— 1.095	+ 329.301	+ 0.606	
		1850	8	21 15 59.448	328.874	1.080	328.266	0.608	
956	19 Aquarii	1755	5	21 12 1.825	+ 323.935	— 0.920	+ 324.030	— 0.095	
		1850	7	21 17 9.153	323.076	0.888	323.157	0.081	
957	ζ Capricorni	1755	5	21 12 38.070	+ 345.690	— 1.680	+ 345.715	— 0.025	
		1850	41	21 18 5.719	344.101	1.667	344.123	0.022	
958	35 Capricorni	1755	5	21 13 18.871	+ 343.115	— 1.602	+ 343.365	— 0.250	
		1850	10	21 18 44.110	341.600	1.587	341.852	0.252	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
941	27 Capricorni	7.5	1755	− 21 31 21.63	+ 1375.28	+ 35.94	+ 1390.62	−15.34	
		6.5	1850	21 9 19.06	1408.95	34.95	1424.17	15.22	
942	ν Aquarii	5.0	1755	− 12 20 51.82	+ 1393.55	+ 33.91	+ 1395.21	− 1.66	
		4.7	1850	11 58 32.78	1425.35	33.03	1426.94	1.59	
943	ζ Cygni	4.0	1755	+ 29 14 3.01	+ 1427.58	+ 25.36	+ 1434.30	− 6.72	− 0.01
		3.0	1850	29 36 50.58	1451.45	24.89	1458.18	6.73	
			1900	29 48 59.40	1463.83	24.65	1470.56	6.73	
944	φ Capricorni	6.0	1755	− 21 39 7.08	+ 1427.33	+ 34.66	+ 1428.95	− 1.62	
		5.5	1850	21 16 15.65	1459.77	33.65	1461.37	1.60	
945	29 Capricorni	5.0	1755	− 16 10 24.51	+ 1431.78	+ 33.56	+ 1432.06	− 0.28	
		5.7	1850	15 47 29.31	1463.22	32.62	1463.48	0.26	
946	14 Aquarii	7.5	1755	− 10 13 10.45	+ 1436.74	+ 32.30	+ 1437.97	− 1.23	
		6.6	1850	9 50 11.10	1467.02	31.44	1468.29	1.27	
947	30 Capricorni	6.0	1755	− 18 59 44.45	+ 1443.25	+ 33.71	+ 1444.41	− 1.16	
		5.5	1850	18 36 38.31	1474.80	32.72	1475.97	1.17	
948	31 Capricorni	6.5	1755	− 18 28 28.01	+ 1447.76	+ 33.64	+ 1446.44	+ 1.32	
		6.7	1850	18 5 17.62	1479.25	32.66	1477.90	1.35	
949	ι Capricorni	5.0	1755	− 17 51 44.69	+ 1471.20	+ 32.77	+ 1470.84	+ 0.36	
		4.4	1850	17 28 12.42	1501.87	31.79	1501.50	0.37	
950	B. A. C. 7408	7.0	1755	- - - - -	- - - -	+ 31.44	+ 1472.24	- - -	
		6.9	1850	− 9 57 44.0	- - - -	30.56	1501.69	- - -	
951	17 Aquarii	6.0	1755	− 10 20 55.53	+ 1475.10	+ 31.20	+ 1478.07	− 2.97	
		6.2	1850	9 57.20.24	1504.32	30.32	1507.31	2.99	
952	α Cephei	3.0	1755	+ 61 33 14.23	+ 1499.19	+ 13.63	+ 1495.25	+ 3.94	+ 0.20
		2.7	1850	61 57 4.58	1512.03	13.40	1507.90	4.13	
			1900	62 9 42.26	1518.69	13.28	1514.46	4.23	
953	1 Pegasi	4.0	1755	+ 18 46 8.78	+ 1488.82	+ 26.67	+ 1483.81	+ 5.01	+ 0.08
		4.3	1850	19 9 55.08	1513.85	26.09	1508.76	5.09	
			1900	19 22 35.27	1526.81	25.77	1521.68	5.13	
954	33 Capricorni	6.0	1755	− 21 52 38.81	+ 1466.53	+ 33.14	+ 1480.67	−14.14	
		5.7	1850	21 29 10.81	1497.52	32.08	1511.64	14.12	
955	18 Aquarii	6.0	1755	− 13 54 50.38	+ 1483.06	+ 31.82	+ 1483.90	− 0.84	
		5.7	1850	13 31 7.26	1512.84	30.88	1513.64	0.80	
956	19 Aquarii	6.0	1755	− 10 46 37.25	+ 1474.23	+ 30.97	+ 1491.27	−17.04	
		5.8	1850	10 23 2.89	1503.23	30.08	1520.27	17.04	
957	ζ Capricorni	4.0	1755	− 23 27 22.97	+ 1495.08	+ 33.00	+ 1494.80	+ 0.28	
		3.7	1850	23 3 27.92	1525.92	31.93	1525.64	0.28	
958	35 Capricorni	6.0	1755	− 22 14 25.10	+ 1494.28	+ 32.70	+ 1498.76	− 4.48	
		6.2	1850	21 50 30.94	1524.82	31.62	1529.27	4.45	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
959	*b* Capricorni	1755	5	21 14 42.640	+ 345.136	— 1.649	+ 344.231	+ 0.905	
		1850	9	21 20 9.777	343.576	1.634	342.670	0.906	
960	*β* Aquarii	1755	5	21 18 38.612	+ 317.147	— 0.739	+ 317.069	+ 0.078	
		1850	874	21 23 39.573	316.459	0.710	316.377	0.082	
		1900	- -	21 26 17.714	316.104	0.708	316.021	0.083	
961	37 Capricorni	1755	5	21 21 2.977	+ 339.947	— 1.562	+ 340.099	— 0.152	
		1850	8	21 26 25.226	338.480	1.526	338.639	0.159	
962	38 Capricorni	1755	2	21 21 5.468	+ 340.725	— 1.551	+ 340.370	+ 0.355	
		1850	5	21 26 28.460	339.261	1.532	338.903	0.358	
963	*β* Cephei	1755	5	21 25 24.07	+ 83.86	— 3.17	+ 83.68	+ 0.18	
		1800	- -	21 26 1.48	82.41	3.27	82.23	0.18	
		1850	- -	21 26 42.28	80.75	3.38	80.57	0.18	
		1900	- -	21 27 22.23	79.04	3.47	78.85	0.19	
964	*ε* Capricorni	1755	5	21 23 19.482	+ 338.666	— 1.511	+ 338.671	— 0.005	
		1850	34	21 28 40.535	337.238	1.495	337.246	0.008	
965	*ξ* Aquarii	1755	5	21 24 41.321	+ 320.914	— 0.848	+ 320.191	+ 0.723	0.000
		1850	231	21 29 45.810	320.119	0.826	319.392	0.727	
		1900	- -	21 32 25.767	319.709	0.814	318.982	0.727	
966	*γ* Capricorni	1755	5	21 26 29.022	+ 334.792	— 1.343	+ 333.593	+ 1.199	
		1850	83	21 31 46.471	333.527	1.322	332.329	1.198	
967	42 Capricorni	1755	5	21 28 11.847	+ 328.318	— 1.149	+ 329.234	— 0.916	
		1850	9	21 33 23.233	327.237	1.127	328.137	0.900	
968	*κ* Capricorni	1755	5	21 28 56.439	+ 337.637	— 1.483	+ 336.765	+ 0.872	
		1850	21	21 34 16.528	336.238	1.463	335.368	0.870	
969	B. A. C. 7550	1850	10	21 34 49.642	+ 337.311	— 1.505	+ 336.460	+ 0.851	
970	44 Capricorni	1755	5	21 29 40.600	+ 329.465	— 1.203	+ 329.630	— 0.165	
		1850	9	21 34 53.052	328.333	1.179	328.500	0.167	
971	45 Capricorni	1755	5	21 30 36.409	+ 329.804	— 1.216	+ 330.043	— 0.239	
		1850	8	21 35 49.177	328.660	1.193	328.901	0.241	
972	B. A. C. 7558	1755	- -	- - -	- - - -	— 1.304	+ 331.898	- - -	
		1850	- -	21 36 4.1	- - - -	1.270	330.667	- - -	
973	*ε* Pegasi	1755	5	21 32 9.163	+ 294.766	— 0.093	+ 294.599	+ 0.167	
		1850	882	21 36 49.153	294.692	0.062	294.523	0.169	
		1900	- -	21 39 16.492	294.665	0.046	294.498	0.167	
974	B. A. C. 7562	1755	- -	21 31 49.568	+ 321.896	— 0.909	+ 321.418	+ 0.478	
		1850	6	21 36 54.963	321.044	0.886	320.572	0.472	
975	c^1 Capricorni	1755	5	21 31 55.216	+ 321.429	— 0.912	+ 321.481	— 0.052	
		1850	12	21 37 0.166	320.574	0.889	320.627	0.053	
976	c^2 Capricorni	1755	5	21 33 10.814	+ 321.576	— 0.920	+ 321.660	— 0.084	
		1850	5	21 38 15.900	320.714	0.894	320.798	0.084	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
959	*b* Capricorni	5.5	1755	− 22 51 29.81	+ 1505.11	+ 32.68	+ 1506.86	− 1.75	
		4.7	1850	22 27 25.37	1535.65	31.62	1537.34	1.69	
960	β Aquarii	3.0	1755	− 6 38 6.16	+ 1527.69	+ 29.33	+ 1529.36	− 1.67	+ 0.02
		2.6	1850	6 13 41.75	1555.14	28.46	1556.79	1.65	
			1900	6 0 40.64	1569.26	28.00	1570.90	1.64	
961	37 Capricorni	7.0	1755	− 21 9 41.52	+ 1545.46	+ 31.02	+ 1542.93	+ 2.53	
		6.0	1850	20 44 59.49	1574.44	29.98	1571.92	2.52	
962	38 Capricorni	7.0	1755	− 21 19 26.16	+ 1537.40	+ 31.14	+ 1543.16	− 5.76	
		6.9	1850	20 54 51.74	1566.48	30.09	1572.21	5.73	
963	β Cephei	3.0	1755	+ 69 29 19.06	+ 1566.51	+ 6.98	+ 1567.00	− 0.49	
			1800	69 41 4.70	1569.64	6.82	1570.12	0.48	
		3.0	1850	69 54 10.36	1572.99	6.64	1573.46	0.47	
			1900	70 7 17.67	1576.26	6.46	1576.74	0.48	
964	ε Capricorni	5.0	1755	− 20 32 56.40	+ 1553.86	+ 30.61	+ 1555 58	− 1.72	
		4.7	1850	20 8 6.58	1582.45	29.60	1584.10	1.65	
965	ξ Aquarii	5.0	1755	− 8 56 21.21	+ 1559.51	+ 28.73	+ 1563.10	− 3.59	+0.05
		5.0	1850	8 31 26.85	1586.38	27.82	1589.92	3.54	
			1900	8 18 10.20	1600.16	27.34	1603.68	3.52	
966	γ Capricorni	4.0	1755	− 17 45 22.40	+ 1573.99	+ 29.88	+ 1572.88	+ 1.11	
		3.7	1850	17 20 13.78	1601.86	28.82	1600.60	1.26	
967	42 Capricorni	6.0	1755	− 15 7 36.28	+ 1551.85	+ 28.70	+ 1582.20	−30.35	
		5.6	1850	14 42 49.22	1578.65	27.73	1609.05	30.40	
968	κ Capricorni	5.0	1755	− 19 58 7.52	+ 1583.92	+ 29.61	+ 1586.18	− 2.26	
		5.0	1850	19 32 49.59	1611.54	28.54	1613.67	2.13	
969	B. A. C. 7550	6.3	1850	− 20 18 9.71	+ 1614.52	+ 28.50	+ 1616.53	− 2.01	
970	44 Capricorni	6.0	1755	− 15 30 23.28	+ 1592.28	+ 28.61	+ 1590.10	+ 2.18	
		6.1	1850	15 4 57.85	1619.00	27.63	1616.84	2.16	
971	45 Capricorni	6.0	1755	− 15 51 23.90	+ 1589.20	+ 28.48	+ 1595.06	− 5.86	
		6.3	1850	15 26 1.46	1615.79	27.49	1621.68	5.89	
972	B. A. C. 7558	6.0	1755	− 17 4 43.86	+ 1594.18	+ 28.65	+ 1596.21	− 2.03	
		8.0	1850	16 39 16.61	1620.92	27.64	1622.95	2.03	
973	ε Pegasi	2.5	1755	+ 8 45 49.08	+ 1602.60	+ 25.22	+ 1603.23	− 0.63	+ 0.02
		2.3	1850	9 11 22.83	1626.20	24.47	1626.79	0.59	
			1900	9 24 58.98	1638.34	24.09	1638.92	0.58	
974	B. A. C. 7562	7.5	1755	− 10 8 57.73	+ 1601.45	+ 27.64	+ 1601.51	− 0.06	
		5.5	1850	9 43 24.02	1627.27	26.72	1627.32	0.05	
975	c^1 Capricorni	6.0	1755	− 10 11 41.20	+ 1601.44	+ 27.60	+ 1602.00	− 0.56	
		5.5	1850	9 46 7.51	1627.23	26.72	1627.74	0.51	
976	c^2 Capricorni	6.5	1755	− 10 23 35.40	+ 1607.89	+ 27.34	+ 1608.66	− 0.77	
		6.4	1850	9 57 55.71	1633.42	26.41	1634.17	0.75	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
977	λ Capricorni	1755	5	21 33 19.327	+ 324.771	— 1.034	+ 324.683	+ 0.088	
		1850	24	21 38 27.397	323.800	1.010	323.713	0.087	
978	50 Capricorni	1755	3	21 33 28.199	+ 325.224	— 1.038	+ 325.140	+ 0.084	
		1850	3	21 38 36.696	324.249	1.014	324.159	0.090	
979	δ Capricorni	1755	5	21 33 29.175	+ 333.484	— 1.295	+ 331.741	+ 1.743	
		1850	159	21 38 45.403	332.265	1.272	330.519	1.746	
980	11 Cephei	1755	1	21 38 14.12	+ 94.33	— 2.99	+ 91.71	+ 2.62	
		1800	. .	21 38 56.26	92.96	3.09	90.32	2.64	
		1850	. .	21 39 42.33	91.39	3.21	88.74	2.65	
		1900	. .	21 40 27.63	89.76	3.33	87.09	2.67	
981	μ Capricorni	1755	5	21 39 54.641	+ 329.139	— 1.167	+ 327.134	+ 2.005	— 0.006
		1850	126	21 45 6.801	328.044	1.139	326.040	2.004	
		1900	. .	21 47 50.681	327.479	1.122	325.477	2.002	
982	B. A. C. 7620	1755	. .	. . . . .	. . . .	— 0.072	+ 322.493	. . .	
		1850	5	21 45 35.0	. . . .	0.945	321.582	. . .	
983	B. A. C. 7650	1755	1	21 45 21.921	+ 315.556	— 0.706	+ 315.539	+ 0.017	
		1850	9	21 50 21.386	314.900	0.676	314.878	0.022	
984	79 Draconis	1755	5	21 49 47.11	+ 78.90	— 4.21	+ 78.08	+ 0.82	
		1800	. .	21 50 22.18	76.97	4.37	76.15	0.82	
		1850	. .	21 51 0.11	74.74	4.56	73.91	0.83	
		1900	. .	21 51 36.90	72.42	4.73	71.57	0.85	
985	29 Aquarii (mean)	1755	5	21 48 59.089	+ 330.709	— 1.362	+ 330.696	+ 0.013	
		1850	22	21 54 12.652	329.431	1.328	329.416	0.015	
986	30 Aquarii	1755	5	21 50 22.220	+ 316.837	— 0.765	+ 316.682	+ 0.155	
		1850	21	21 55 22.875	316.125	0.734	315.971	0.154	
987	B. A. C. 7680	1755	1	21 51 46.707	+ 314.247	— 0.677	+ 314.483	— 0.236	
		1850	5	21 56 44.941	313.619	0.645	313.850	0.231	
988	α Aquarii	1755	10	21 53 11.492	+ 308.859	— 0.459	+ 308.837	+ 0.022	
		1850	. .	21 58 4.706	308.438	0.426	308.418	0.020	
		1900	. .	22 0 38.872	308.229	0.409	308.206	0.023	
989	B. A. C. 7690	1755	1	21 53 13.540	+ 315.457	— 0.701	+ 315.047	+ 0.410	
		1850	6	21 58 12.912	314.806	0.669	314.397	0.409	
990	ι Aquarii	1755	5	21 53 10.622	+ 326.080	— 1.163	+ 325.895	+ 0.185	
		1850	77	21 58 19.878	324.991	1.130	324.804	0.187	
991	α Gruis	1755	. .	21 52 39.906	+ 386.833	— 4.699	+ 385.721	+ 1.112	+0.004
		1850	86	21 58 45.292	382.414	4.603	381.297	1.118	
		1900	. .	22 1 55.927	380.128	4.546	379.007	1.121	
992	B. A. C. 7704	1755	1	21 54 50.654	+ 315.328	— 0.722	+ 315.545	— 0.217	
		1850	3	21 59 49.894	314.658	0.688	314.874	0.216	
993	35 Aquarii	1755	5	21 55 30.586	+ 331.684	— 1.458	+ 331.761	— 0.077	
		1850	12	22 0 45.033	330.316	1.422	330.392	0.076	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
977	λ Capricorni	5.5	1755	− 12 28 57.60	+ 1607.10	+ 27.66	+ 1609.36	− 2.26	
		5.7	1850	12 3 18.50	1632.92	26.72	1635.14	2.22	
978	50 Capricorni	7.5	1755	− 12 48 25.08	+ 1595.93	+ 27.62	+ 1610.14	−14.21	
		6.9	1850	12 22 56.64	1621.72	26.67	1635.86	14.14	
979	δ Capricorni	3.5	1755	− 17 13 31.37	+ 1578.79	+ 28.51	+ 1610.22	−31.43	
		2.8	1850	16 48 18.80	1605.39	27.48	1636.66	31.27	
980	11 Cephei	4.5	1755	+ 70 11 11.86	+ 1644.06	+ 7.50	+ 1634.68	+ 9.38	
		- -	1800	70 23 32.45	1647.42	7.35	1637.94	9.48	
		5.0	1850	70 37 17.06	1651.04	7.18	1641.44	9.60	
			1900	70 51 3.48	1654.59	7.00	1644.86	9.73	
981	μ Capricorni	5.0	1755	− 14 41 31.42	+ 1642.69	+ 27.04	+ 1643.12	− 0.43	+ 0.17
		5.4	1850	14 15 18.81	1667.90	26.03	1668.17	0.27	
			1900	14 1 21.64	1680.78	25.49	1680.97	0.19	
982	B. A. C. 7620	- -	1755	− 11 27 3.32	+ 1639.32	+ 26.19	+ 1646.04	− 6.72	
		6.5	1850	11 0 54.31	1663.73	25.22	1670.46	6.73	
983	B. A. C. 7650	6.5	1755	− 6 34 24.82	+ 1656.33	+ 24.80	+ 1670.11	−13.78	
		6.5	1850	6 8 0.25	1679.46	23.90	1693.23	13.77	
984	79 Draconis	6.0	1755	+ 72 32 42.93	+ 1694.26	+ 5.53	+ 1691.22	+ 3.04	
		- -	1800	72 45 25.90	1696.72	5.35	1693.65	3.07	
		6.5	1850	72 59 34.92	1699.35	5.15	1696.24	3.11	
			1900	73 13 45.22	1701.86	4.95	1698.71	3.15	
985	29 Aquarii (mean)	6.0	1755	− 18 8 1.48	+ 1688.39	+ 25.37	+ 1687.52	+ 0.87	
		6.5	1850	17 41 6.22	1712.00	24.33	1711.13	0.87	
986	30 Aquarii	5.5	1755	− 7 41 42.04	+ 1694.08	+ 24.05	+ 1693.97	+ 0.11	
		5.8	1850	7 14 41.95	1716.49	23.13	1716.38	0.11	
987	B. A. C. 7680	8.0	1755	- - - - -	- - - -	+ 23.58	+ 1700.54	- - -	
		8.0	1850	− 5 33 53.7	- - - -	22.67	1722.56	- - -	
988	α Aquarii	3.0	1755	− 1 29 57.77	+ 1705.69	+ 22.95	+ 1707.08	− 1.39	0.00
		2.7	1850	1 2 47.14	1727.08	22.08	1728.47	1.39	
			1900	0 48 20.86	1738.00	21.62	1739.39	1.39	
989	B. A. C. 7690	7.0	1755	- - - - -	- - - -	+ 23.47	+ 1707.24	- - -	
		7.0	1850	− 6 4 57.0	- - - -	22.56	1729.07	- - -	
990	ι Aquarii	4.5	1755	− 15 2 48.49	+ 1700.65	+ 24.28	+ 1707.00	− 6.35	
		4.4	1850	14 35 42.05	1723.24	23.27	1729.60	6.36	
991	α Gruis	- -	1755	− 48 7 59.47	+ 1687.38	+ 29.06	+ 1704.66	−17.28	+ 0.07
		1.9	1850	47 41 3.58	1714.23	27.45	1731.46	17.23	
			1900	47 26 43.07	1727.75	26.61	1744.95	17.20	
992	B. A. C. 7704	7.5	1755	- - - - -	- - - -	+ 23.14	+ 1714.63	- - -	
		7.3	1850	− 6 33 33.6	- - - -	22.22	1736.21	- - -	
993	35 Aquarii	5.5	1755	− 19 42 27.11	+ 1716.93	+ 24.26	+ 1717.66	− 0.73	
		5.9	1850	19 15 5.24	1739.48	23.20	1740.21	0.73	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
994	36 Aquarii	1755	5	21 56 28.567	+ 318.545	— 0.844	+ 318.341	+ 0.204	
		1850	12	22 1 30.809	317.759	0.811	317.551	0.208	
995	B. A. C. 7717	1755	1	21 56 32.693	+ 318.251	— 0.809	+ 317.519	+ 0.732	
		1850	34	22 1 34.671	317.499	0.775	316.768	0.731	
996	e^1 Aquarii	1755	3	21 57 26.278	+ 321.792	— 0.988	+ 321.507	+ 0.285	
		1850	7	22 2 31.540	320.870	0.954	320.586	0.284	
997	B. A. C. 7720	1755	1	21 57 35.452	+ 313.312	— 0.607	+ 313.051	+ 0.261	
		1850	6	22 2 32.828	312.747	0.584	312.487	0.260	
998	e^2 Aquarii	1755	5	21 57 29.899	+ 322.791	— 1.036	+ 322.426	+ 0.365	
		1850	31	22 2 36.089	321.825	0.998	321.467	0.358	
999	B. A. C. 7726	1755	4	21 57 46.738	+ 313.591	— 0.638	+ 313.494	+ 0.097	
		1850	6	22 2 44.366	313.002	0.602	312.910	0.092	
1000	B. A. C. 7740	1755	1	21 59 10.792	+ 322.608	— 0.999	+ 321.625	+ 0.983	
		1850	14	22 4 16.828	321.688	0.938	320.693	0.995	
1001	39 Aquarii	1755	5	21 59 11.373	+ 325.565	— 1.175	+ 325.519	+ 0.046	
		1850	6	22 4 20.134	324.465	1.141	324.418	0.047	
1002	B. A. C. 7744	1755	4	21 59 57.491	+ 313.551	— 0.654	+ 313.929	— 0.378	
		1850	8	22 4 55.074	312.946	0.620	313.328	0.382	
1003	40 Aquarii	1755	4	22 0 18.938	+ 322.326	— 1.042	+ 322.556	— 0.230	
		1850	1	22 5 24.683	321.353	1.007	321.581	0.228	
1004	B. A. C. 7752	1755	1	22 1 4.372	+ 314.282	— 0.642	+ 313.565	+ 0.717	
		1850	9	22 6 2.655	313.689	0.606	312.973	0.716	
1005	42 Aquarii	1755	5	22 3 39.198	+ 323.243	— 1.094	+ 323.258	— 0.015	
		1850	11	22 8 45.791	322.222	1.056	322.242	0.020	
1006	θ Aquarii	1755	5	22 3 53.217	+ 317.967	— 0.809	+ 317.271	+ 0.696	
		1850	409	22 8 54.926	317.216	0.772	316.519	0.697	
		1900	. .	22 11 33.438	316.835	0.752	316.139	0.696	
1007	B. A. C. 7774	1755	. .	22 3 54.815	+ 318.515	— 0.872	+ 318.732	— 0.217	
		1850	3	22 8 57.016	317.704	0.837	317.919	0.215	
1008	44 Aquarii	1755	5	22 4 18.136	+ 314.348	— 0.684	+ 314.483	— 0.135	
		1850	5	22 9 16.463	313.716	0.646	313.853	0.137	
1009	45 Aquarii	1755	5	22 5 50.136	+ 324.037	— 1.116	+ 323.551	+ 0.486	
		1850	19	22 10 57.473	322.995	1.078	322.506	0.489	
1010	ρ Aquarii	1755	5	22 7 17.303	+ 317.110	— 0.806	+ 317.050	+ 0.060	
		1850	46	22 12 18.199	316.362	0.769	316.303	0.059	
1011	B. A. C. 7804	1850	. .	22 15 40.0	. . . .	— 0.725	+ 315.387	. . .	
1012	51 Aquarii	1755	5	22 11 20.294	+ 313.605	— 0.636	+ 313.488	+ 0.117	
		1850	9	22 16 17.938	313.020	0.596	312.903	0.117	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
994	36 Aquarii	7.0	1755	— 9 22 45.88	+ 1726.50	+ 23.13	+ 1722.01	+ 4.49	
		6.3	1850	8 55 15.41	1748.02	22.17	1743.52	4.50	
995	B. A. C. 7717	8.0	1755	. . . . .	. . . .	+ 23.13	+ 1722.32	. . .	
		6.9	1850	— 8 15 40.1	. . . .	22.18	1743.83	. . .	
996	e^1 Aquarii	6.0	1755	— 12 0 57.10	+ 1730.31	+ 23.20	+ 1726.32	+ 3.99	
		6.8	1850	11 33 22.98	1751.89	22.22	1747.87	4.02	
997	B. A. C. 7720	7.0	1755	— 5 5 2.83	+ 1721.83	+ 22.54	+ 1727.00	— 5.17	
		6.5	1850	4 37 37.06	1742.82	21.64	1747.99	5.17	
998	e^2 Aquarii	6.0	1755	— 12 45 32.70	+ 1726.52	+ 23.34	+ 1726.60	— 0.08	
		5.6	1850	12 18 2.13	1748.22	22.35	1748.24	0.02	
999	B. A. C. 7726	6.5	1755	— 5 27 37.78	+ 1726.47	+ 22.52	+ 1727.85	— 1.38	
		6.3	1850	5 0 7.61	1747.43	21.61	1748.79	1.36	
1000	B. A. C. 7740	7.0	1755	. . . . .	. . . .	+ 23.01	+ 1734.01	. . .	
		7.0	1850	— 11 48 11.8	. . . .	22.02	1755.38	. . .	
1001	39 Aquarii	7.0	1755	— 15 23 22.78	+ 1730.24	+ 23.15	+ 1734.08	— 3.84	
		6.4	1850	14 55 48.75	1751.75	22.14	1755.59	3.84	
1002	B. A. C. 7744	7.5	1755	— 5 55 7.83	+ 1734.92	+ 22.10	+ 1737.46	— 2.54	
		6.7	1850	5 27 29.82	1755.48	21.19	1758.06	2.58	
1003	40 Aquarii	7.0	1755	— 13 7 36.58	+ 1739.16	+ 22.69	+ 1739.02	+ 0.14	
		7.0	1850	12 39 54.30	1760.25	21.70	1760.14	0.11	
1004	B. A. C. 7752	7.0	1755	. . . . .	. . . .	+ 22.04	+ 1742.32	. . .	
		6.7	1850	— 5 11 33.3	. . . .	21.12	1762.79	. . .	
1005	42 Aquarii	6.0	1755	— 14 2 33.55	+ 1752.79	+ 22.15	+ 1753.44	— 0.65	
		5.8	1850	13 34 38.55	1773.36	21.16	1774.00	0.64	
1006	θ Aquarii	4.5	1755	— 8 59 35.45	+ 1751.87	+ 21.81	+ 1754.41	— 2.54	+ 0.05
		4.3	1850	8 31 41.48	1772.13	20.85	1774.62	2.49	
		. .	1900	8 16 52.83	1782.43	20.33	1784.90	2.47	
1007	B. A. C. 7774	6.0	1755	— 10 15 2.63	+ 1752.48	+ 21.77	+ 1754.51	— 2.03	
		6.4	1850	9 47 8.10	1772.71	20.81	1774.78	2.07	
1008	44 Aquarii	6.5	1755	— 6 36 4.18	+ 1759.25	+ 21.41	+ 1756.17	+ 3.08	
		6.4	1850	6 8 3.37	1779.16	20.50	1776.08	3.08	
1009	45 Aquarii	6.0	1755	— 14 31 16.55	+ 1761.05	+ 21.86	+ 1762.62	— 1.57	
		6.3	1850	14 3 13.83	1781.34	20.85	1782.89	1.55	
1010	ρ Aquarii	6.0	1755	— 9 2 28.90	+ 1767.88	+ 21.12	+ 1768.57	— 0.69	
		5.6	1850	8 34 20.03	1787.49	20.16	1788.24	0.75	
1011	B. A. C. 7804	6.2	1850	— 7 57 1.1	. . . .	+ 19.58	+ 1801.38	. . .	
1012	51 Aquarii	6.0	1755	— 6 4 1.88	+ 1783.09	+ 20.14	+ 1785.19	— 2.10	
		5.8	1850	5 35 39.01	1801.78	19.22	1803.80	2.02	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
1013	50 Aquarii	1755	5	22 11 17.974	+ 323.385	— 1.111	+ 323.096	+ 0.289	
		1850	16	22 16 24.697	322.343	1.082	322.050	0.293	
1014	π Aquarii	1755	5	22 12 45.574	+ 306.878	— 0.328	+ 306.845	+ 0.033	
		1850	92	22 17 36.966	306.584	0.292	306.554	0.030	
		1900	- -	22 20 10.223	306.444	0.267	306.416	0.028	
1015	B. A. C. 7818	1755	4	22 13 13.953	+ 328.067	— 1.322	+ 326.494	+ 1.573	
		1850	19	22 18 25.027	326.831	1.279	325.258	1.573	
1016	53 Aquarii	1755	5	22 13 14.501	+ 328.066	— 1.322	+ 326.493	+ 1.573	
		1850	18	22 18 25.575	326.832	1.279	325.259	1.573	
1017	54 Aquarii	1755	5	22 13 39.298	+ 320.527	— 0.979	+ 320.229	+ 0.298	
		1850	3	22 18 43.363	319.617	0.937	319.320	0.297	
1018	B. A. C. 7835	1755	1	22 16 53.535	+ 322.976	— 1.073	+ 321.671	+ 1.305	
		1850	9	22 21 59.884	321.977	1.032	320.674	1.303	
1019	56 Aquarii	1755	5	22 17 7.863	+ 323.573	— 1.168	+ 323.453	+ 0.120	
		1850	14	22 22 14.736	322.480	1.135	322.363	0.117	
1020	σ Aquarii	1755	5	22 17 39.646	+ 319.039	— 0.934	+ 319.194	— 0.155	
		1850	116	22 22 42.319	318.169	0.892	318.326	0.157	
1021	Lal. 43974	1850	- -	22 23 25.9	- - - -	— 0.564	+ 314.199	- - -	
1022	58 Aquarii	1755	5	22 18 40.658	+ 319.738	— 0.945	+ 319.320	+ 0.418	
		1850	12	22 23 43.989	318.860	0.904	318.441	0.419	
1023	60 Aquarii	1755	5	22 21 24.731	+ 310.000	— 0.438	+ 309.751	+ 0.249	
		1850	6	22 26 19.040	309.604	0.397	309.352	0.252	
1024	η Aquarii	1755	5	22 22 45.649	+ 308.811	— 0.363	+ 308.316	+ 0.495	
		1850	350	22 27 38.862	308.487	0.320	307.990	0.497	
		1900	- -	22 30 13.067	308.333	0.297	307.836	0.497	
1025	226 (B) Cephei	1755	- -	22 27 52.17	+ 112.00	— 2.95	+ 112.17	— 0.14	
		1800	- -	22 28 42.26	110.64	3.09	110.78	0.14	
		1850	- -	22 29 37.18	109.05	3.26	109.19	0.14	
		1900	- -	22 30 31.29	107.38	3.44	107.52	0.14	
1026	κ Aquarii	1755	5	22 25 3.379	+ 311.657	— 0.561	+ 312.167	— 0.510	
		1850	41	22 29 59.207	311.148	0.511	311.654	0.506	
1027	64 Aquarii	1755	4	22 26 21.157	+ 317.292	— 0.873	+ 317.611	— 0.319	
		1850	3	22 31 22.198	316.484	0.827	316.802	0.318	
1028	Lal. 44337	1850	- -	22 33 1.7	- - - -	— 0.475	+ 310.930	- - -	
1029	ζ Pegasi	1755	5	22 29 14.986	+ 298.820	+ 0.168	+ 298.308	+ 0.512	
		1850	722	22 33 58.948	299.002	0.215	298.490	0.512	
		1900	- -	22 36 28.477	299.116	0.242	298.605	0.511	
1030	65 Aquarii	1755	4	22 30 6.543	+ 317.225	— 0.865	+ 317.286	— 0.061	
		1850	6	22 35 7.524	316.425	0.820	316.484	0.059	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
1013	50 Aquarii	6.0	1755	− 14 45 41.18	+ 1785.42	+ 20.81	+ 1784.96	+ 0.46	
		6.1	1850	14 17 15.80	1804.70	19.78	1804.23	0.47	
1014	π Aquarii	5.0	1755	+ 0 8 35.54	+ 1790.32	+ 19.43	+ 1790.79	− 0.47	0.00
		4.9	1850	0 37 4.97	1808.35	18.54	1808.81	0.46	
			1900	0 52 11.45	1817.51	18.08	1817.97	0.46	
1015	B. A. C. 7818	6.5	1755	− 17 58 35.75	+ 1789.96	+ 20.82	+ 1792.64	− 2.68	
		6.7	1850	17 30 6.06	1809.23	19.76	1811.83	2.60	
1016	53 Aquarii	6.5	1755	− 17 58 40.72	+ 1789.99	+ 20.82	+ 1792.68	− 2.69	
		5.8	1850	17 30 11.00	1809.26	19.76	1811.86	2.60	
1017	54 Aquarii	7.5	1755	− 12 27 53.35	+ 1794.13	+ 20.17	+ 1794.29	− 0.16	
		7.0	1850	11 59 19.97	1812.82	19.18	1813.00	0.18	
1018	B. A. C. 7835	6.5	1755	− 14 9 35.53	+ 1805.01	+ 19.77	+ 1806.83	− 1.82	
		6.5	1850	13 40 51.99	1823.30	18.74	1825.05	1.75	
1019	56 Aquarii	6.0	1755	− 15 49 44.83	+ 1803.43	+ 19.71	+ 1807.71	− 4.28	
		6.3	1850	15 21 2.83	1821.68	18.71	1825.94	4.26	
1020	σ Aquarii	5.0	1755	− 11 55 22.76	+ 1806.84	+ 19.32	+ 1809.72	− 2.88	
		5.1	1850	11 26 37.66	1824.76	18.33	1827.61	2.85	
1021	Lal. 43974	6.2	1850	− 7 18 59.2	. . . .	+ 17.96	+ 1830.22	. . .	
1022	58 Aquarii	6.0	1755	− 12 9 8.21	+ 1809.61	+ 19.20	+ 1813.55	− 3.94	
		6.7	1850	11 40 20.56	1827.38	18.21	1831.30	3.92	
1023	60 Aquarii	6.5	1755	− 2 49 38.08	+ 1819.38	+ 18.09	+ 1823.66	− 4.28	
		6.2	1850	2 20 41.65	1836.13	17.18	1840.39	4.26	
1024	η Aquarii	4.0	1755	− 1 22 20.10	+ 1822.80	+ 17.78	+ 1828.54	− 5.74	+ 0.02
		4.1	1850	0 53 20.55	1839.26	16.87	1844.98	5.72	
			1900	0 37 58.83	1847.58	16.39	1853.29	5.71	
1025	226 (B) Cephei	. .	1755	+ 74 57 57.80	+ 1845.63	+ 5.59	+ 1846.51	− 0.88	
			1800	75 11 48.89	1848.13	5.46	1849.01	0.88	
		5.3	1850	75 27 13.62	1850.80	5.31	1851.69	0.89	
			1900	75 42 39.68	1853.42	5.14	1854.30	0.88	
1026	κ Aquarii	6.0	1755	− 5 29 1.59	+ 1824.55	+ 17.53	+ 1836.71	−12.16	
		5.2	1850	5 0 0.49	1840.76	16.62	1852.93	12.17	
1027	64 Aquarii	6.5	1755	− 11 17 40.62	+ 1840.03	+ 17.58	+ 1841.27	− 1.24	
		6.9	1850	10 48 24.81	1856.26	16.60	1857.53	1.27	
1028	Lal. 44337	6.3	1850	− 4 19 56.8	. . . .	+ 16.00	+ 1862.95	. . .	
1029	ζ Pegasi	3.0	1755	+ 9 33 34.58	+ 1849.92	+ 16.04	+ 1851.17	− 1.25	+ 0.02
		3.3	1850	10 2 59.11	1864.75	15.19	1866.01	1.26	
			1900	10 18 33.37	1872.23	14.75	1873.51	1.28	
1030	65 Aquarii	7.0	1755	− 11 22 43.05	+ 1855.00	+ 16.89	+ 1854.09	+ 0.91	
		7.0	1850	10 53 13.34	1870.57	15.90	1869.67	0.90	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
1031	67 Aquarii	1755	2	22 30 25.952	+ 314.209	— 0.693	+ 314.375	— 0.166	
		1850	9	22 35 24.145	313.572	0.647	313.739	0.167	
1032	τ^1 Aquarii	1755	4	22 34 40.859	+ 320.258	— 1.085	+ 320.344	— 0.086	
		1850	6	22 39 44.621	319.251	1.036	319.336	0.085	
1033	B. A. C. 7951 (mean)	1755	5	22 35 11.492	+ 310.160	— 0.550	+ 311.649	— 1.489	
		1850	9	22 40 5.908	309.677	0.467	311.178	1.501	
1034	70 Aquarii	1755	5	22 35 35.215	+ 317.431	— 0.875	+ 317.096	+ 0.335	
		1850	15	22 40 36.389	316.621	0.832	316.285	0.336	
1035	τ^2 Aquarii	1755	5	22 36 35.666	+ 319.532	— 1.054	+ 319.648	— 0.116	
		1850	78	22 41 38.754	318.554	1.004	318.673	0.119	
1036	ι Cephei	1755	5	22 41 1.33	+ 209.31	+ 2.03	+ 210.46	— 1.15	
		1800	..	22 42 35.72	210.23	2.10	211.39	1.16	
		1850	..	22 44 21.10	211.31	2.18	212.47	1.16	
		1900	..	22 46 7.03	212.42	2.27	213.58	1.16	
1037	λ Aquarii	1755	5	22 39 49.055	+ 314.167	— 0.691	+ 314.158	+ 0.009	
		1850	257	22 44 47.209	313.532	0.645	313.523	0.009	
		1900	..	22 47 23.895	313.216	0.620	313.208	0.008	
1038	Lal. 44734	1850	..	22 44 50.5	....	— 0.781	+ 315.435	...	
1039	74 Aquarii	1755	5	22 40 33.396	+ 317.516	— 0.919	+ 317.414	+ 0.102	
		1850	9	22 45 34.629	316.668	0.868	316.564	0.104	
1040	75 Aquarii	1755	3	22 41 10.652	+ 317.901	— 0.948	+ 317.812	+ 0.089	
		1850	7	22 46 12.238	317.025	0.897	316.933	0.092	
1041	78 Aquarii	1755	5	22 41 47.826	+ 313.410	— 0.659	+ 313.686	— 0.276	
		1850	13	22 46 45.276	312.809	0.612	313.080	0.271	
1042	1 Piscium	1755	1	22 42 26.944	+ 307.518	— 0.229	+ 307.178	+ 0.340	
		1850	13	22 47 18.992	307.328	0.172	306.980	0.348	
1043	B. A. C. 7986	1850	8	22 47 24.084	+ 311.632	— 0.493	+ 311.397	+ 0.235	
1044	α Piscis Australis	1755	20	22 44 3.483	+ 335.399	— 2.212	+ 333.055	+ 2.344	—0.009
		1850	..	22 49 21.123	333.326	2.151	330.992	2.334	
		1900	..	22 52 7.519	332.262	2.106	329.935	2.327	
1045	Lal. 44872	1850	..	22 49 22.4	....	— 0.392	+ 310.045	...	
1046	B. A. C. 7993	1755	4	22 44 35.694	+ 311.310	— 0.520	+ 311.625	— 0.315	
		1850	5	22 49 31.211	310.838	0.474	311.153	0.315	
1047	2 Piscium	1755	5	22 46 53.957	+ 307.709	— 0.211	+ 307.244	+ 0.465	
		1850	5	22 51 46.192	307.531	0.164	307.066	0.465	
1048	3 Piscium	1755	5	22 48 4.340	+ 307.501	— 0.249	+ 307.806	— 0.305	
		1850	6	22 52 56.361	307.287	0.201	307.593	0.306	
1049	81 Aquarii	1755	5	22 48 38.884	+ 312.810	— 0.626	+ 313.025	— 0.215	
		1850	16	22 53 35.778	312.239	0.577	312.454	0.215	

DECLINATIONS.

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				° ′ ″	″	″	″	″	″
1031	67 Aquarii	6.0	1755	− 8 14 17.37	+ 1855.66	+ 16.67	+ 1855.17	+ 0.49	
		6.4	1850	7 44 47.11	1871.03	15.67	1870.54	0.49	
1032	τ^1 Aquarii	6.0	1755	− 15 20 25.22	+ 1866.87	+ 16.20	+ 1869.01	− 2.14	
		5.8	1850	14 50 44.54	1881.78	15.18	1883.92	2.14	
1033	B. A. C. 7951 (mean)	7.5	1755	− 5 29 38.25	+ 1842.07	+ 15.48	+ 1870.64	−28.57	
		6.7	1850	5 0 21.43	1856.37	14.64	1884.99	28.62	
1034	70 Aquarii	6.0	1755	− 11 50 33.41	+ 1873.63	+ 15.91	+ 1871.89	+ 1.74	
		6.2	1850	11 20 46.43	1888.27	14.93	1886.50	1.77	
1035	τ^2 Aquarii	5.5	1755	− 14 52 42.00	+ 1870.15	+ 15.80	+ 1875.04	− 4.89	
		4.2	1850	14 22 58.39	1884.67	14.78	1889.56	4.89	
1036	ι Cephei	4.0	1755	+ 64 54 58.57	+ 1875.27	+ 9.45	+ 1888.50	−13.23	
		. .	1800	65 9 3.39	1879.49	9.29	1892.75	13.26	
		3.3	1850	65 24 44.28	1884.08	9.12	1897.37	13.29	
			1900	65 40 27.46	1888.60	8.94	1901.91	13.31	
1037	λ Aquarii	4.0	1755	− 8 52 35.71	+ 1888.50	+ 14.88	+ 1884.92	+ 3.58	− 0.01
		3.6	1850	8 22 35.07	1902.17	13.90	1898.60	3.57	
			1900	8 6 42.27	1908.99	13.38	1905.42	3.57	
1038	Lal. 44734	6.8	1850	− 10 51 17.3	. . . .	+ 14.00	+ 1898.75	. . .	
1039	74 Aquarii	6.0	1755	− 12 54 44.23	+ 1885.70	+ 14.93	+ 1887.11	− 1.41	
		6.0	1850	12 24 46.23	1899.42	13.95	1900.82	1.40	
1040	75 Aquarii	7.5	1755	− 13 29 4.97	+ 1884.75	+ 14.83	+ 1888.95	− 4.20	
		7.0	1850	12 59 7.91	1898.36	13.82	1902.58	4.22	
1041	78 Aquarii	6.0	1755	− 8 30 0.64	+ 1886.42	+ 14.47	+ 1890.78	− 4.36	
		6.4	1850	8 0 2.16	1899.71	13.50	1904.09	4.38	
1042	1 Piscium	6.0	1755	− 0 14 2.76	+ 1891.37	+ 14.10	+ 1892.68	− 1.31	
		6.3	1850	+ 0 16 0.27	1904.33	13.19	1905.62	1.29	
1043	B. A. C. 7986	5.9	1850	− 5 47 8.24	+ 1906.16	+ 13.35	+ 1905.86	+ 0.30	
1044	α Piscis Australis	1.0	1755	− 30 54 49.81	+ 1880.12	+ 15.19	+ 1897.32	−17.20	+ 0.10
		1.4	1850	30 24 57.02	1893.99	14.02	1911.09	17.10	
			1900	30 9 8.30	1900.85	13.40	1917.91	17.06	
1045	Lal. 44872	7.0	1850	− 4 2 42.2	. . . .	+ 12.90	+ 1911.15	. . .	
1046	B. A. C. 7993	7.5	1755	− 6 6 48.00	+ 1898.78	+ 13.84	+ 1898.83	− 0.05	
		6.6	1850	5 36 38.06	1911.48	12.89	1911.54	0.06	
1047	2 Piscium	6.5	1755	− 0 20 20.83	+ 1897.26	+ 13.28	+ 1905.26	− 8.00	
		5.4	1850	+ 0 9 47.42	1909.44	12.36	1917.42	7.98	
1048	3 Piscium	6.0	1755	− 1 7 26.05	+ 1910.52	+ 13.07	+ 1908.42	+ 2.10	
		6.4	1850	0 37 5.29	1922.50	12.14	1920.38	2.12	
1049	81 Aquarii	6.0	1755	− 8 22 15.80	+ 1909.81	+ 13.15	+ 1910.00	− 0.19	
		6.6	1850	7 51 55.70	1921.84	12.18	1922.04	0.20	

RIGHT ASCENSIONS.

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				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
1050	B. A. C. 8017 . .	1850	. .	22 53 45.7	. . . .	— 0.448	+ 310.858	. . .	
1051	82 Aquarii	1755	5	22 49 48.551	+ 312.544	— 0.592	+ 312.580	— 0.036	
		1850	8	22 54 45.207	312.004	0.544	312.039	0.035	
1052	α Pegasi	1755	10	22 52 34.419	+ 297.777	+ 0.498	+ 297.405	+ 0.372	+0.001
		1850	. .	22 57 17.540	298.276	0.552	297.904	0.372	
		1900	. .	22 59 46.748	298.559	0.581	298.183	0.376	
1053	h^1 Aquarii	1755	5	22 52 22.385	+ 313.935	— 0.639	+ 313.165	+ 0.770	
		1850	18	22 57 20.342	313.349	0.596	312.574	0.775	
1054	h^2 Aquarii	1755	1	22 52 32.744	+ 313.296	— 0.649	+ 313.192	+ 0.104	
		1850	5	22 57 30.090	312.703	0.598	312.598	0.105	
1055	W^2 22^h 1220 . .	1850	. .	22 57 37.3	. . . .	— 0.122	+ 306.863	. . .	
1056	h^3 Aquarii	1755	5	22 53 6.755	+ 313.321	— 0.656	+ 313.266	+ 0.055	
		1850	3	22 58 4.121	312.722	0.605	312.668	0.054	
1057	h^4 Aquarii	1755	3	22 54 26.269	+ 313.307	— 0.635	+ 312.982	+ 0.325	
		1850	6	22 59 23.631	312.727	0.585	312.400	0.327	
1058	A Piscium	1755	5	22 56 8.034	+ 307.357	— 0.118	+ 306.483	+ 0.874	
		1850	16	23 0 59.977	307.269	0.068	306.397	0.872	
1059	B. A. C. 8065 . .	1755	2	22 56 51.730	+ 306.394	— 0.109	+ 306.475	— 0.081	
		1850	4	23 1 42.762	306.314	0.059	306.395	0.081	
1060	ϕ Aquarii	1755	5	23 1 37.459	+ 311.513	— 0.509	+ 311.355	+ 0.158	
		1850	86	23 6 33.173	311.054	0.458	310.893	0.161	
1061	B. A. C. 8094 . .	1850	. .	23 7 50.8	. . . .	— 0.319	+ 309.451	. . .	
1062	ψ^1 Aquarii	1755	5	23 3 2.400	+ 315.505	— 0.685	+ 313.048	+ 2.457	
		1850	41	23 8 1.829	314.881	0.632	312.426	2.455	
1063	χ Aquarii	1755	5	23 4 8.270	+ 311.908	— 0.596	+ 312.144	— 0.236	
		1850	13	23 9 4.321	311.366	0.544	311.604	0.238	
1064	γ Piscium	1755	5	23 4 28.531	+ 310.799	— 0.011	+ 305.904	+ 4.895	
		1850	286	23 9 23.792	310.813	+ 0.041	305.916	4.897	
1065	ψ^2 Aquarii	1755	5	23 5 9.410	+ 312.885	— 0.673	+ 312.883	+ 0.002	
		1850	33	23 10 6.354	312.271	0.619	312.269	0.002	
1066	ψ^3 Aquarii	1755	5	23 6 12.131	+ 313.236	— 0.692	+ 313.015	+ 0.221	
		1850	56	23 11 9.401	312.604	0.638	312.383	0.221	
1067	96 Aquarii	1755	5	23 6 41.386	+ 311.651	— 0.444	+ 310.489	+ 1.162	
		1850	28	23 11 37.262	311.255	0.391	310.094	1.161	
1068	o Cephei	1755	5	23 8 40.33	+ 239.12	+ 3.72	+ 237.77	+ 1.35	
		1800	. .	23 10 28.32	240.82	3.85	239.46	1.36	
		1850	. .	23 12 29.22	242.79	4.01	241.41	1.38	
		1900	. .	23 14 31.13	244.84	4.18	243.44	1.40	
1069	κ Piscium	1755	5	23 14 22.520	+ 307.492	— 0.064	+ 307.035	+ 0.457	
		1850	250	23 19 14.616	307.456	— 0.012	306.997	0.459	
		1900	. .	23 21 48.343	307.459	+ 0.016	306.998	0.461	

DECLINATIONS.

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				° ′ ″	″	″	″	″	″
1050	B. A. C. 8017	6.1	1850	− 5 31 2.9	- - - -	+ 12.12	+ 1922.46	- - -	
1051	82 Aquarii	6.0	1755	− 7 53 0.61	+ 1908.88	+ 12.92	+ 1913.08	− 4.20	
		6.4	1850	7 22 41.50	1920.70	11.96	1924.91	4.21	
1052	α Pegasi	2.0	1755	+ 13 52 32.51	+ 1915.22	+ 11.79	+ 1920.24	− 5.02	+ 0.01
		2.0	1850	14 23 57.16	1926.01	10.93	1931.02	5.01	
			1900	14 40 1.52	1931.37	10.49	1936.38	5.01	
1053	h^1 Aquarii	6.0	1755	− 9 0 39.11	+ 1921.26	+ 12.53	+ 1919.73	+ 1.53	
		5.4	1850	8 30 8.42	1932.69	11.54	1931.15	1.54	
1054	h^2 Aquarii	7.5	1755	− 9 4 16.84	+ 1920.19	+ 12.44	+ 1920.18	+ 0.01	
		7.4	1850	8 33 47.20	1931.54	11.46	1931.54	0.00	
1055	W² 22ʰ 1220	6.6	1850	+ 0 29 59.3	- - - -	+ 11.07	+ 1931.80	- - -	
1056	h^3 Aquarii	7.0	1755	− 9 15 13.64	+ 1921.07	+ 12.32	+ 1921.61	− 0.54	
		7.0	1850	8 44 43.21	1932.32	11.35	1932.86	0.54	
1057	h^4 Aquarii	8.0	1755	− 9 0 38.18	+ 1920.29	+ 12.08	+ 1924.92	− 4.63	
		8.0	1850	8 30 8.61	1931.30	11.10	1935.94	4.64	
1058	A Piscium	6.0	1755	+ 0 47 55.47	+ 1939.65	+ 11.53	+ 1929.05	+10.60	
		5.6	1850	1 18 43.20	1950.17	10.61	1939.55	10.62	
1059	B. A. C. 8065	8.0	1755	+ 0 49 16.89	+ 1929.20	+ 11.32	+ 1930.80	− 1.60	
		8.0	1850	1 19 54.60	1939.52	10.40	1941.13	1.61	
1060	ϕ Aquarii	5.6	1755	− 7 21 55.24	+ 1922.43	+ 10.65	+ 1941.68	−19.25	
		4.1	1850	6 51 24.28	1932.09	9.68	1951.36	19.27	
1061	B. A. C. 8094	5.4	1850	− 4 18 42.3	- - - -	+ 9.34	+ 1953.94	- - -	
1062	ψ^1 Aquarii	5.5	1755	− 10 25 5.72	+ 1943.58	+ 10.60	+ 1944.79	− 1.21	
		4.1	1850	9 54 14.69	1953.18	9.58	1954.30	1.12	
1063	χ Aquarii	5.5	1755	− 9 3 29.02	+ 1943.02	+ 10.15	+ 1947.14	− 4.12	
		5.3	1850	8 32 38.71	1952.21	9.20	1956.33	4.12	
1064	γ Piscium	4.5	1755	+ 1 56 52.94	+ 1948.62	+ 10.21	+ 1947.84	+ 0.78	
		3.6	1850	2 27 48.59	1957.86	9.25	1956.94	0.92	
1065	ψ^2 Aquarii	5.0	1755	− 10 30 56.62	+ 1946.99	+ 10.02	+ 1949.27	− 2.28	
		4.2	1850	10 0 2.61	1956.03	9.02	1958.30	2.27	
1066	ψ^3 Aquarii	5.0	1755	− 10 56 45.49	+ 1950.76	+ 9.82	+ 1951.43	− 0.67	
		4.8	1850	10 25 48.01	1959.61	8.82	1960.26	0.65	
1067	96 Aquarii	6.0	1755	− 6 27 32.20	+ 1949.99	+ 9.71	+ 1952.41	− 2.42	
		5.6	1850	5 56 35.50	1958.75	8.73	1961.05	2.30	
1068	o Cephei	7.0	1755	+ 66 46 25.74	+ 1958.02	+ 6.95	+ 1956.35	+ 1.67	
			1800	67 1 7.58	1961.12	6.73	1959.43	1.69	
		5.3	1850	67 17 28.96	1964.41	6.49	1962.70	1.71	
			1900	67 33 51.96	1967.59	6.23	1965.85	1.74	
1069	κ Piscium	5.5	1755	− 0 4 55.39	+ 1955.70	+ 8.07	+ 1966.86	−11.16	
		4.7	1850	+ 0 26 6.03	1962.92	7.13	1974.00	11.08	
			1900	0 42 28.35	1966.35	6.60	1977.43	11.08	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
1070	9 Piscium . . .	1755	5	23 14 41.776	+ 307.417	— 0.071	+ 307.097	+ 0.316	
		1850	18	23 19 33.798	307.375	0.018	307.054	0.321	
1071	θ Piscium . . .	1755	5	23 15 32.957	+ 303.793	+ 0.199	+ 304.724	— 0.931	
		1850	76	23 20 21.658	304.007	0.251	304.938	0.931	
		1900	. .	23 22 53.694	304.140	0.280	305.072	0.932	
1072	11 Piscium . . .	1755	5	23 16 52.379	+ 308.145	— 0.211	+ 308.367	— 0.222	
		1850	5	23 21 45.029	307.970	0.158	308.192	0.222	
1073	B. A. C. 8184 . .	1755	0	23 16 51.586	+ 310.851	— 0.334	+ 309.567	+ 1.284	
		1850	15	23 21 46.749	310.550	0.300	309.255	1.295	
1074	12 Piscium . . .	1755	5	23 16 56.347	+ 307.940	— 0.171	+ 308.035	— 0.095	
		1850	5	23 21 48.820	307.802	0.119	307.897	0.095	
1075	13 Piscium . . .	1755	5	23 19 23.296	+ 307.944	— 0.162	+ 307.999	— 0.055	
		1850	3	23 24 15.778	307.816	0.109	307.871	0.055	
1076	14 Piscium . . .	1755	5	23 21 33.033	+ 308.764	— 0.159	+ 308.009	+ 0.755	
		1850	7	23 26 26.295	308.639	0.106	307.886	0.753	
1077	15 Piscium . . .	1775	5	23 22 57.601	+ 306.239	— 0.018	+ 307.010	— 0.771	
		1850	5	23 27 48.528	306.248	+ 0.036	307.019	0.771	
1078	16 Piscium . . .	1755	5	23 23 53.457	+ 305.922	+ 0.024	+ 306.725	— 0.803	
		1850	15	23 28 44.102	305.970	0.079	306.774	0.804	
1079	ι Piscium . . .	1755	5	23 27 21.461	+ 308.039	+ 0.240	+ 305.569	+ 2.470	+0.006
		1850	612	23 32 14.214	308.292	0.293	305.816	2.476	
		1900	. .	23 34 48.398	308.445	0.320	305.968	2.477	
1080	γ Cephei	1755	6	23 29 30.20	+ 232.41	+ 6.23	+ 234.38	— 1.97	
		1800	. .	23 31 15.43	235.29	6.59	237.31	2.02	
		1850	. .	23 33 13.92	238.69	7.03	240.77	2.08	
		1900	. .	23 35 14.16	242.32	7.51	244.46	2.14	
1081	λ Piscium . . .	1755	5	23 29 33.033	+ 305.866	+ 0.065	+ 306.863	— 0.997	
		1850	39	23 34 23.640	305.943	0.097	306.928	0.985	
1082	19 Piscium . . .	1755	4	23 33 52.925	+ 306.038	+ 0.153	+ 306.431	— 0.393	
		1850	19	23 38 43.739	306.209	0.207	306.602	0.393	
1083	20 Piscium . . .	1755	5	23 35 20.775	+ 308.601	— 0.166	+ 308.032	+ 0.569	
		1850	48	23 40 13.878	308.470	0.110	307.901	0.569	
1084	B. A. C. 8274 . .	1850	13	23 40 49.942	+ 308.524	— 0.299	+ 308.591	— 0.067	
1085	21 Piscium . . .	1755	5	23 36 55.147	+ 306.888	+ 0.046	+ 307.063	— 0.175	
		1850	33	23 41 46.718	306.956	0.099	307.132	0.176	
1086	22 Piscium . . .	1755	5	23 39 25.849	+ 306.594	+ 0.155	+ 306.667	— 0.073	
		1850	13	23 44 17.191	306.766	0.208	306.842	0.076	
1087	24 Piscium . . .	1755	5	23 40 20.378	+ 308.344	— 0.155	+ 307.902	+ 0.442	
		1850	7	23 45 13.242	308.221	0.103	307.777	0.444	
1088	25 Piscium . . .	1755	5	23 40 32.322	+ 306.873	+ 0.118	+ 306.852	+ 0.021	
		1850	8	23 45 23.913	307.011	0.172	306.998	0.013	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
1070	9 Piscium	6.0	1755	— 0 13 11.06	+ 1962.31	+ 7.97	+ 1967.39	— 5.08	
		6.6	1850	+ 0 17 56.60	1969.43	7.02	1974.50	5.07	
1071	θ Piscium	5.0	1755	+ 5 2 11.90	+ 1963.24	+ 7.67	+ 1968.85	— 5.61	— 0.02
		4.2	1850	5 33 20.29	1970.09	6.76	1975.72	5.63	
			1900	5 49 46.16	1973.35	6.28	1978.99	5.64	
1072	11 Piscium	6.5	1755	— 3 8 11.85	+ 1969.37	+ 7.56	+ 1971.04	— 1.67	
		6.4	1850	2 36 57.68	1976.10	6.61	1977.77	1.67	
1073	B. A. C. 8184		1755	— 5 51 51.24	+ 1948.19	+ 7.62	+ 1971.00	—22.81	
		6.3	1850	5 20 57.15	1954.96	6.65	1977.81	22.85	
1074	12 Piscium	7.0	1755	— 2 22 52.85	+ 1970.14	+ 7.54	+ 1971.15	— 1.01	
		6.8	1850	1 51 37.96	1976.85	6.60	1977.86	1.01	
1075	13 Piscium	7.0	1755	— 2 26 11.05	+ 1977.40	+ 7.07	+ 1975.04	+ 2.36	
		6.4	1850	1 54 49.46	1983.66	6.12	1981.30	2.36	
1076	14 Piscium	6.5	1755	— 2 35 52.53	+ 1976.86	+ 6.69	+ 1978.28	— 1.42	
		5.9	1850	2 4 31.64	1982.76	5.73	1984.17	1.41	
1077	15 Piscium	7.0	1755	— 0 2 13.82	+ 1976.23	+ 6.32	+ 1980.31	— 4.08	
		6.6	1850	+ 0 29 6.31	1981.79	5.38	1985.89	4.10	
1078	16 Piscium	6.0	1755	+ 0 44 42.63	+ 1987.19	+ 6.16	+ 1981.63	+ 5.56	
		5.8	1850	1 16 13.09	1992.59	5.23	1987.00	5.59	
1079	ι Piscium	4.5	1755	+ 4 18 2.35	+ 1941.76	+ 5.59	+ 1986.13	—44.37	+ 0.04
		4.1	1850	4 48 49.39	1946.61	4.63	1990.94	44.33	
			1900	5 5 3.25	1948.79	4.11	1993.10	44.31	
1080	γ Cephei	3.0	1755	+ 76 15 58.67	+ 2003.12	+ 3.60	+ 1988.72	+14.40	
			1800	76 31 0.43	2004.71	3.40	1990.33	14.38	
		3.3	1850	76 47 43.19	2006.34	3.17	1991.98	14.36	
			1900	77 4 26.74	2007.86	2.92	1993.52	14.34	
1081	λ Piscium	5.0	1755	+ 0 26 2.56	+ 1971.54	+ 5.07	+ 1988.76	—17.22	
		4.5	1850	0 57 17.67	1975.89	4.12	1993.14	17.25	
1082	19 Piscium	6.0	1755	+ 2 7 45.09	+ 1990.26	+ 4.21	+ 1993.44	— 3.18	
		4.9	1850	2 39 17.60	1993.82	3.28	1997.01	3.19	
1083	20 Piscium	5.5	1755	— 4 7 19.24	+ 1994.76	+ 3.99	+ 1994.86	— 0.10	
		5.5	1850	3 35 42.56	1998.08	3.02	1998.18	0.10	
1084	B. A. C. 8274	7.0	1850	— 7 12 47.12	+ 1995.44	+ 2.90	+ 1998.63	— 3.19	
1085	21 Piscium	6.0	1755	— 0 16 58.27	+ 1993.54	+ 3.65	+ 1996.29	— 2.75	
		5.8	1850	+ 0 14 37.08	1996.50	2.62	1999.30	2.80	
1086	22 Piscium	6.0	1755	+ 1 34 10.32	+ 1996.37	+ 3.15	+ 1998.38	— 2.01	
		5.0	1850	2 5 48.15	1998.92	2.22	2000.92	2.00	
1087	24 Piscium	6.5	1755	— 4 30 54.52	+ 1995.59	+ 3.01	+ 1999.08	— 3.49	
		6.1	1850	3 59 17.50	1997.99	2.04	2001.47	3.48	
1088	25 Piscium	6.5	1755	+ 0 43 44.35	+ 1997.68	+ 2.94	+ 1999.23	— 1.55	
		6.4	1850	1 15 23.33	2000.02	1.99	2001.57	1.55	

RIGHT ASCENSIONS.

No.	Star.	Epoch.	Number of observations.	Right ascension.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				h. *m.* *s.*	*s.*	*s.*	*s.*	*s.*	*s.*
1089	26 Piscium . . .	1755	5	23 42 36.818	+ 305.848	+ 0.388	+ 305.983	− 0.135	
		1850	14	23 47 27.557	306.242	0.443	306.379	0.137	
1090	Groombridge 4163	1755	.	23 43 10.18	+ 275.19	+ 7.85	+ 274.80	+ 0.39	
		1800	. .	23 45 14.84	278.81	8.22	278.41	0.40	
		1850	. .	23 47 35.30	283.02	8.66	282.62	0.40	
		1900	. .	23 49 57.91	287.47	9.12	287.06	0.41	
1091	27 Piscium . . .	1755	5	23 46 7.826	+ 307.230	− 0.145	+ 307.693	− 0.463	
		1850	56	23 50 59.637	307.118	0.090	307.577	0.459	
1092	ω Piscium . . .	1755	5	23 46 44.602	+ 307.243	+ 0.403	+ 306.251	+ 0.992	+0.001
		1850	384	23 51 36.673	307.653	0.460	306.660	0.993	
		1900	. .	23 54 10.558	307.890	0.489	306.896	0.994	
1093	Lal. 47041 . . .	1850	. .	23 52 5.8	. . . .	+ 0.087	+ 307.267	. . .	
1094	29 Piscium . . .	1755	5	23 49 16.136	+ 307.488	− 0.101	+ 307.478	+ 0.010	
		1850	33	23 54 8.213	307.419	0.046	307.408	0.011	
1095	30 Piscium . . .	1755	5	23 49 23.523	+ 308.007	− 0.261	+ 307.799	+ 0.208	
		1850	28	23 54 16.019	307.786	0.205	307.579	0.207	
1096	B. A. C. 8351 . .	1755	1	23 49 28.854	+ 307.774	− 0.086	+ 307.440	+ 0.334	
		1850	5	23 54 21.208	307.717	0.035	307.384	0.333	
1097	ϵ^2 Piscium . . .	1755	5	23 49 59.133	+ 305.777	+ 0.504	+ 306.266	− 0.489	
		1850	10	23 54 49.857	306.282	0.560	306.772	0.490	
1098	33 Piscium . . .	1755	5	23 52 47.587	+ 307.336	− 0.224	+ 307.520	− 0.184	
		1850	76	23 57 39.464	307.150	0.168	307.334	0.184	

DECLINATIONS.

No.	Star.	Mag.	Epoch.	Declination.	Centennial variation.	Secular variation.	Struve's precession.	Proper motion.	Sec. var. of proper motion.
				° ′ ″	″	″	″	″	″
1089	26 Piscium . . .	6.0	1755	+ 5 42 33.47	+ 1999.06	+ 2.53	+ 2000.68	— 1.62	
		6.3	1850	6 14 13.57	2001.01	1.59	2002.64	1.63	
1090	Groombridge 4163 . .		1755	+ 73 2 51.58	+ 2000.15	+ 2.09	+ 2001.05	— 0.90	
			1800	73 17 51.84	2001.03	1.76	2001.93	0.90	
		7.0	1850	73 34 32.55	2001.80	1.38	2002.70	0.90	
			1900	73 51 13.60	2002.38	0.98	2003.27	0.89	
1091	27 Piscium . . .	5.0	1755	— 4 54 54.60	+ 1996.68	+ 1.84	+ 2002.77	— 6.09	
		5.1	1850	4 23 17.17	1997.98	0.90	2004.10	6.12	
1092	ω Piscium . . .	4.5	1755	+ 5 30 25.55	+ 1991.63	+ 1.74	+ 2003.10	—11.47	
		4.0	1850	6 1 58.24	1992.84	0.78	2004.30	11.46	
			1900	6 18 34.74	1993.10	0.28	2004.56	11.46	
1093	Lal. 47041 . . .	7.1	1850	— 1 6 48.2	. . . .	+ 0.68	+ 2004.45	. . .	
1094	29 Piscium . .	5.0	1755	— 4 23 28.00	+ 2003.13	+ 1.24	+ 2004.24	— 1.11	
		5.0	1850	3 51 44.61	2003.85	0.29	2004.98	1.13	
1095	30 Piscium . . .	4.5	1755	— 7 22 32.83	+ 2000.46	+ 1.23	+ 2004.33	— 3.87	
		4.4	1850	6 50 51.99	2001.17	0.27	2005.01	3.84	
1096	B. A. C. 8351 . .	8.0	1755	— 4 7 47.72	+ 2002.40	+ 1.20	+ 2004.34	— 1.94	
		8.0	1850	3 36 5.07	2003.09	0.24	2005.03	1.94	
1097	c^2 Piscium . . .	6.0	1755	+ 7 7 26.14	+ 2001.49	+ 1.08	+ 2004.54	— 3.05	
		5.7	1850	7 39 7.90	2002.07	0.14	2005.13	3.06	
1098	33 Piscium . . .	5.0	1755	— 7 4 42.44	+ 2014.97	+ 0.55	+ 2005.50	+ 9.47	
		4.8	1850	6 32 48.12	2015.04	— 0.40	2005.54	9.50	

AUWERS' PERIODIC CORRECTIONS TO BE APPLIED TO THE POSITIONS OF SIRIUS AND PROCYON, ON ACCOUNT OF INEQUALITY OF PROPER MOTION.

Periodic terms to be applied to the position of Sirius.

[P, correction to the right ascension. P′, correction to the declination.]

α Canis Majoris.					α Canis Majoris—Continued.				
Year.	Year.	Year.	P	P′	Year.	Year.	Year.	P	P′
			s.	″				*s.*	″
1750.6	1800.0	1849.4	$+.026^{-20}$	$+1.41^{-6}$	1775.6	1825.0	1874.4	$-.131^{+7}$	-1.16^{-7}
1751.6	1801.0	1850.4	$+.006^{-20}$	$+1.35^{-7}$	1776.6	1826.0	1875.4	$-.124^{+7}$	-1.23^{-6}
1752.6	1802.0	1851.4	$-.014^{-20}$	$+1.28^{-7}$	1777.6	1827.0	1876.4	$-.117^{+7}$	-1.29^{-5}
1753.6	1803.0	1852.4	$-.031^{-17}$	$+1.19^{-9}$	1778.6	1828.0	1877.4	$-.108^{+9}$	-1.34^{-4}
1754.6	1804.0	1853.4	$-.047^{-16}$	$+1.09^{-10}$	1779.6	1829.0	1878.4	$-.098^{+10}$	-1.38^{-4}
1755.6	1805.0	1854.4	$-.062^{-15}$	$+.98^{-11}$	1780.6	1830.0	1879.4	$-.086^{+12}$	-1.42^{-2}
1756.6	1806.0	1855.4	$-.076^{-14}$	$+.87^{-11}$	1781.6	1831.0	1880.4	$-.074^{+12}$	-1.44^{-1}
1757.6	1807.0	1856.4	$-.088^{-12}$	$+.76^{-11}$	1782.6	1832.0	1881.4	$-.061^{+13}$	-1.45^{+1}
1758.6	1808.0	1857.4	$-.099^{-11}$	$+.64^{-12}$	1783.6	1833.0	1882.4	$-.046^{+15}$	-1.44^{+2}
1759.6	1809.0	1858.4	$-.109^{-10}$	$+.52^{-12}$	1784.6	1834.0	1883.4	$-.030^{+16}$	-1.42^{+5}
1760.6	1810.0	1859.4	$-.118^{-9}$	$+.40^{-12}$	1785.6	1835.0	1884.4	$-.012^{+18}$	-1.37^{+7}
1761.6	1811.0	1860.4	$-.126^{-8}$	$+.28^{-12}$	1786.6	1836.0	1885.4	$+.007^{+19}$	-1.30^{+9}
1762.6	1812.0	1861.4	$-.132^{-6}$	$+.16^{-12}$	1787.6	1837.0	1886.4	$+.027^{+20}$	-1.21^{+13}
1763.6	1813.0	1862.4	$-.138^{-6}$	$+.04^{-12}$	1788.6	1838.0	1887.4	$+.049^{+22}$	-1.08^{+18}
1764.6	1814.0	1863.4	$-.143^{-5}$	$-.07^{-11}$	1789.6	1839.0	1888.4	$+.072^{+23}$	$-.90^{+23}$
1765.6	1815.0	1864.4	$-.147^{-4}$	$-.19^{-12}$	1790.6	1840.0	1889.4	$+.096^{+24}$	$-.67^{+30}$
1766.6	1816.0	1865.4	$-.149^{-2}$	$-.30^{-11}$	1791.6	1841.0	1890.4	$+.120^{+21}$	$-.37^{+39}$
1767.6	1817.0	1866.4	$-.151^{-2}$	$-.41^{-11}$	1792.6	1842.0	1891.4	$+.141^{+11}$	$+.02^{+44}$
1768.6	1818.0	1867.4	$-.152^{-1}$	$-.52^{-11}$	1793.6	1843.0	1892.4	$+.152^{-5}$	$+.46^{+42}$
1769.6	1819.0	1868.4	$-.152^{0}$	$-.63^{-11}$	1794.6	1844.0	1893.4	$+.147^{-17}$	$+.88^{+29}$
1770.6	1820.0	1869.4	$-.151^{+1}$	$-.73^{-10}$	1795.6	1845.0	1894.4	$+.130^{-23}$	$+1.17^{+17}$
1771.6	1821.0	1870.4	$-.149^{+2}$	$-.82^{-9}$	1796.6	1846.0	1895.4	$+.107^{-25}$	$+1.34^{+9}$
1772.6	1822.0	1871.4	$-.146^{+3}$	$-.92^{-10}$	1797.6	1847.0	1896.4	$+.082^{-24}$	$+1.43^{+2}$
1773.6	1823.0	1872.4	$-.142^{+4}$	-1.00^{-8}	1798.6	1848.0	1897.4	$+.058^{-23}$	$+1.45^{-2}$
1774.6	1824.0	1873.4	$-.137^{+5}$	-1.08^{-8}	1799.6	1849.0	1898.4	$+.035^{-21}$	$+1.43^{-5}$
1775.6	1825.0	1874.4	$-.131^{+6}$	-1.16^{-7}	1800.6	1850.0	1899.4	$+.014^{-20}$	$+1.38^{-7}$
1776.6	1826.0	1875.4	$-.124^{+7}$	-1.23^{-6}	1801.6	1851.0	1900.4	$-.006^{-18}$	$+1.31^{-9}$
1777.6	1827.0	1876.4	$-.117^{+9}$	-1.29^{-5}	1802.6	1852.0	1901.4	$-.024$	$+1.22$

Periodic terms to be applied to the position of Procyon.

α Canis Minoris.						α Canis Minoris—Continued.					
Year.	Year.	Year.	Year.	P	P′	Year.	Year.	Year.	Year.	P	P′
				s.	″					s.	″
1750.0	1790.0	1830.0	1870.0	$-.045^{-8}$	$-.80^{+11}$	1770.0	1810.0	1850.0	1890.0	$+.045^{+8}$	$+.80^{-11}$
1751.0	1791.0	1831.0	1871.0	$-.053^{-7}$	$-.69^{+14}$	1771.0	1811.0	1851.0	1891.0	$+.053^{+7}$	$+.69^{-14}$
1752.0	1792.0	1832.0	1872.0	$-.060^{-5}$	$-.55^{+14}$	1772.0	1812.0	1852.0	1892.0	$+.060^{+5}$	$+.55^{-14}$
1753.0	1793.0	1833.0	1873.0	$-.065^{-3}$	$-.41^{+16}$	1773.0	1813.0	1853.0	1893.0	$+.065^{+3}$	$+.41^{-16}$
1754.0	1794.0	1834.0	1874.0	$-.068^{-2}$	$-.25^{+16}$	1774.0	1814.0	1854.0	1894.0	$+.068^{+2}$	$+.25^{-17}$
1755.0	1795.0	1835.0	1875.0	$-.070^{0}$	$-.09^{+17}$	1775.0	1815.0	1855.0	1895.0	$+.070^{0}$	$+.08^{-16}$
1756.0	1796.0	1836.0	1876.0	$-.070^{+2}$	$+.08^{+16}$	1776.0	1816.0	1856.0	1896.0	$+.070^{-2}$	$-.08^{-16}$
1757.0	1797.0	1837.0	1877.0	$-.068^{+3}$	$+.24^{+16}$	1777.0	1817.0	1857.0	1897.0	$+.068^{-3}$	$-.24^{-16}$
1758.0	1798.0	1838.0	1878.0	$-.065^{+5}$	$+.40^{+15}$	1778.0	1818.0	1858.0	1898.0	$+.065^{-5}$	$-.40^{-15}$
1759.0	1799.0	1839.0	1879.0	$-.060^{+7}$	$+.55^{+13}$	1779.0	1819.0	1859.0	1899.0	$+.060^{-6}$	$-.55^{-13}$
1760.0	1800.0	1840.0	1880.0	$-.053^{+8}$	$+.68^{+12}$	1780.0	1820.0	1860.0	1900.0	$+.054^{-8}$	$-.68^{-12}$
1761.0	1801.0	1841.0	1881.0	$-.045^{+9}$	$+.80^{+10}$	1781.0	1821.0	1861.0	1901.0	$+.046^{-9}$	$-.80^{-10}$
1762.0	1802.0	1842.0	1882.0	$-.036^{+10}$	$+.90^{+7}$	1782.0	1822.0	1862.0	1902.0	$+.037^{-10}$	$-.90^{-7}$
1763.0	1803.0	1843.0	1883.0	$-.026^{+10}$	$+.97^{+5}$	1783.0	1823.0	1863.0	1903.0	$+.027^{-10}$	$-.97^{-5}$
1764.0	1804.0	1844.0	1884.0	$-.016^{+10}$	$+1.02^{+3}$	1784.0	1824.0	1864.0	1904.0	$+.017^{-11}$	-1.02^{-3}
1765.0	1805.0	1845.0	1885.0	$-.006^{+11}$	$+1.05^{0}$	1785.0	1825.0	1865.0	1905.0	$+.006^{-11}$	-1.05^{0}
1766.0	1806.0	1846.0	1886.0	$+.005^{+10}$	$+1.05^{-3}$	1786.0	1826.0	1866.0	1906.0	$-.005^{-10}$	-1.05^{+3}
1767.0	1807.0	1847.0	1887.0	$+.015^{+11}$	$+1.02^{-5}$	1787.0	1827.0	1867.0	1907.0	$-.015^{-12}$	-1.02^{+5}
1768.0	1808.0	1848.0	1888.0	$+.026^{+10}$	$+.97^{-7}$	1788.0	1828.0	1868.0	1908.0	$-.027^{-10}$	$-.97^{+7}$
1769.0	1809.0	1849.0	1889.0	$+.036^{+9}$	$+.90^{-10}$	1789.0	1829.0	1869.0	1909.0	$.037^{-9}$	$-.90^{+10}$
1770.0	1810.0	1850.0	1890.0	$+.045^{+8}$	$+.80^{-11}$	1790.0	1830.0	1870.0	1910.0	$-.046$	$-.80$

RIGHT ASCENSIONS OF TIME STARS FOR 1800

AND

FOR QUINQUENNIAL EPOCHS, 1830–1900.

Right Ascensions of Time Stars for 1800 *and for Quinquennial Epochs*, 1830–1900.

Year.	α Andromedæ.		γ Pegasi.		12 Ceti.		σ Cassiopeæ.		β Ceti.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	23^h; 0^h		0^h		0^h		0^h		0^h	
1800 . .	58 4.620	3.0753	2 57.148	3.0749	19 50.023	3.0605	29 14.615	3.3245	33 32.581	3.0194
1830 . .	59 36.956	3.0806	4 29.440	3.0778	21 21.839	3.0606	30 54.602	3.3410	35 3.137	3.0176
1835 . .	52.361	3.0815	44.830	3.0783	37.143	3.0606	31 11.314	3.3437	18.224	3.0173
1840 . .	0 7.771	3.0824	5 0.223	3.0788	52.446	3.0607	28.039	3.3465	33.310	3.0170
1845 . .	23.185	3.0833	15.618	3.0793	22 7.749	3.0607	44.778	3.3492	48.395	3.0168
1850 . .	38.603	3.0842	31.016	3.0798	23.053	3.0607	32 1.531	3.3519	36 3.478	3.0165
1855 . .	54.026	3.0851	46.416	3.0803	38.357	3.0608	18.298	3.3547	18.560	3.0162
1860 . .	1 9.454	3.0860	6 1.819	3.0808	53.661	3.0608	35.078	3.3574	33.640	3.0159
1865 . .	24.886	3.0869	17.224	3.0813	23 8.965	3.0608	51.872	3.3602	48.719	3.0156
1870 . .	40.323	3.0879	32.632	3.0818	24.269	3.0609	33 8.680	3.3629	37 3.796	3.0154
1875 . .	55.764	3.0888	48.042	3.0823	39.574	3.0609	25.502	3.3657	18.872	3.0151
1880 . .	2 11.210	3.0897	7 3.455	3.0828	54.878	3.0610	42.337	3.3685	33.947	3.0148
1885 . .	26.661	3.0906	18.870	3.0833	24 10.183	3.0610	59.187	3.3713	49.020	3.0145
1890 . .	42.116	3.0915	34.288	3.0838	25.489	3.0611	34 16.051	3.3741	38 4.092	3.0142
1895 . .	57.575	3.0925	49.708	3.0843	40.794	3.0611	32.928	3.3768	19.163	3.0140
1900 . .	3 13.040	3.0934	8 5.131	3.0848	56.100	3.0611	49.820	3.3784	34.232	3.0137

Year.	ε Piscium.		β Andromedæ.		θ′ Ceti.		η Piscium.		o Piscium.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	0^h		0^h; 1^h		1^h		1^h		1^h	
1800 . .	52 34.573	3.1013	58 34.585	3.3186	14 1.823	2.9955	20 48.158	3.1900	34 50.929	3.1526
1830 . .	54 7.650	3.1039	0 14.276	3.3272	15 31.697	2.9960	22 23.921	3.1942	36 25.553	3.1558
1835 . .	23.171	3.1043	30.916	3.3287	46.677	2.9961	39.893	3.1949	41.333	3.1563
1840 . .	38.693	3.1047	47.563	3.3301	16 1.658	2.9962	55.869	3.1956	57.116	3.1568
1845 . .	54.218	3.1052	1 4.217	3.3315	16.639	2.9963	23 11.849	3.1963	37 12.902	3.1574
1850 . .	55 9.745	3.1056	20.878	3.3330	31.621	2.9964	27.832	3.1970	28.690	3.1579
1855 . .	25.274	3.1060	37.546	3.3344	46.603	2.9964	43.819	3.1977	44.481	3.1585
1860 . .	40.805	3.1065	54.222	3.3358	17 1.585	2.9965	59.809	3.1984	38 0.275	3.1590
1865 . .	56.339	3.1069	2 10.905	3.3372	16.568	2.9966	24 15.803	3.1991	16.071	3.1596
1870 . .	56 11.874	3.1073	27.594	3.3387	31.552	2.9967	31.800	3.1998	31.871	3.1601
1875 . .	27.412	3.1078	44.291	3.3401	46.535	2.9968	47.801	3.2005	47.673	3.1607
1880 . .	42.952	3.1082	3 0.996	3.3416	18 1.519	2.9969	25 3.805	3.2012	39 3.477	3.1612
1885 . .	58.494	3.1087	17.707	3.3430	16.504	2.9970	19.813	3.2019	19.285	3.1618
1890 . .	57 14.039	3.1091	34.426	3.3444	31.489	2.9971	35.824	3.2026	35.095	3.1624
1895 . .	29.585	3.1095	51.152	3.3459	46.475	2.9971	51.839	3.2033	50.908	3.1629
1900 . .	45.134	3.1100	4 7.885	3.3473	19 1.461	2.9972	26 7.858	3.2041	40 6.724	3.1634

Right Ascensions of Time Stars for 1800 *and for Quinquennial Epochs*, 1830–1900—Continued.

Year.	β Arietis.		α Arietis.		ξ¹ Ceti.		ξ² Ceti.		γ Ceti.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	1h		1h; 2h		2h		2h		2h	
1800 . .	43 37.197	3.2872	55 55.765	3.3530	2 24.982	3.1638	17 32.554	3.1735	32 57.102	3.0951
1830 . .	45 15.898	3.2927	57 36.445	3.3590	3 59.947	3.1672	19 7.808	3.1769	34 29.994	3.0978
1835 . .	32.364	3.2936	53.242	3.3600	4 15.784	3.1678	23.694	3.1774	45.484	3.0982
1840 . .	48.834	3.2946	58 10.045	3.3610	31.625	3.1684	39.583	3.1780	35 0.976	3.0987
1845 . .	46 5.309	3.2955	26.852	3.3620	47.468	3.1689	55.475	3.1786	16.471	3.0991
1850 . .	21.789	3.2964	43.665	3.3630	5 3.314	3.1695	20 11.379	3.1792	31.968	3.0996
1855 . .	38.273	3.2973	59 0.482	3.3640	19.163	3.1701	27.276	3.1797	47.467	3.1001
1860 . .	54.761	3.2982	17.305	3.3650	35.015	3.1706	43.176	3.1803	36 2.969	3.1005
1865 . .	47 11.255	3.2991	34.133	3.3661	50.870	3.1712	59.080	3.1809	18.472	3.1010
1870 . .	27.753	3.3000	50.966	3.3671	6 6.727	3.1718	21 14.986	3 1815	33.979	3.1014
1875 . .	44.255	3.3009	0 7.803	3.3681	22.588	3.1724	30.894	3.1821	49.487	3.1019
1880 . .	48 0.762	3.3018	24.646	3.3691	38.452	3.1730	46.806	3.1826	37 4.998	3.1024
1885 . .	17.273	3.3027	41.494	3.3701	54.318	3.1736	22 2.721	3.1832	20.511	3.1028
1890 . .	33.789	3.3036	58.347	3.3711	7 10.187	3.1741	18.638	3.1838	36.026	3.1033
1895 . .	50.309	3.3046	1 15.206	3.3721	26.059	3.1747	34.559	3.1844	51.544	3.1037
1900 . .	49 6.835	3.3055	32.069	3.3732	41.935	3.1753	50.482	3.1850	38 7.064	3.1042

Year.	α Ceti.		ζ Arietis.		α Persei.		ε Eridani.		δ Persei.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	2h		3h		3h		3h		3h	
1800 . .	51 50.391	3.1218	3 25.880	3.4235	10 7.015	4.2143	23 30.955	2.8187	28 43.815	4.2127
1830 . .	53 24.087	3.1246	5 8.666	3.4288	12 13.662	4.2288	24 55.540	2.8203	30 50.385	4.2253
1835 . .	39.712	3.1251	25.812	3.4297	34.812	4.2312	25 9.642	2.8206	31 12.517	4.2274
1840 . .	55.338	3.1256	42.963	3.4306	55.974	4.2336	23.746	2.8209	33.659	4.2294
1845 . .	54 10.968	3.1261	6 0.118	3.4315	13 17.149	4.2361	37.851	2.8212	54.811	4.2315
1850 . .	26.599	3.1266	17.278	3.4324	38.335	4.2385	51.958	2.8215	32 15.974	4.2336
1855 . .	42.233	3.1271	34.442	3.4333	59.533	4.2409	26 6.066	2.8217	37.147	4.2357
1860 . .	57.870	3.1275	51.611	3.4341	14 20.744	4.2433	20.175	2.8220	58.331	4.2378
1865 . .	55 13.509	3.1280	7 8.784	3.4350	41.967	4.2457	34.286	2.8223	33 19.525	4.2398
1870 . .	29.150	3.1285	25.961	3.4359	15 3.201	4.2481	48.398	2.8226	40.729	4.2419
1875 . .	44.794	3.1290	43.143	3.4368	24.448	4.2505	27 2.511	2.8228	34 1.944	4.2440
1880 . .	56 0.440	3.1295	8 0.329	3.4377	45.707	4.2530	16.626	2.8231	23.169	4.2461
1885 . .	16.088	3.1300	17.519	3.4386	16 6.978	4.2554	30.743	2.8234	44.405	4.2481
1890 . .	31.739	3.1304	34.714	3.4394	28.261	4.2578	44.860	2.8237	35 5.651	4.2502
1895 . .	47.393	3.1309	51.914	3.4403	49.556	4.2602	58.979	2.8240	26.907	4.2523
1900 . .	57 3.049	3.1314	9 9.117	3.4412	17 10.863	4.2626	28 13.100	2.8242	48.174	4.2543

Right Ascensions of Time Stars for 1800 *and for Quinquennial Epochs*, 1830–1900—Continued.

Year.	η Tauri.		ζ Persei.		γ^1 Eridani.		γ Tauri.		ε Tauri.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	3^h		3^h		3^h		4^h		4^h	
1800 . .	35 37.298	3.5411	41 35.521	3.7403	48 42.186	2.7944	8 25.656	3.3987	16 57.301	3.4866
1830 . .	37 23.609	3.5464	43 27.832	3.7470	50 6.040	2.7958	10 7.671	3.4022	18 41.953	3.4903
1835 . .	41.343	3.5473	46.570	3.7481	20.019	2.7960	24.683	3.4028	59.406	3.4909
1840 . .	59.082	3.5481	44 5.313	3.7493	34.000	2.7963	41.699	3.4033	19 16.862	3.4915
1845 . .	38 16.825	3.5490	24.062	3.7504	47.982	2.7965	58.717	3.4039	34.321	3.4921
1850 . .	34.572	3.5499	42.817	3.7515	51 1.965	2.7967	11 15.738	3.4045	51.783	3.4927
1855 . .	52.324	3.5508	45 1.577	3.7526	15.949	2.7969	32.762	3.4051	20 9.248	3.4933
1860 . .	39 10.080	3.5517	20.343	3.7537	29.935	2.7972	49.789	3.4056	26.716	3.4939
1865 . .	27.841	3.5526	39.114	3.7548	43.921	2.7974	12 6.818	3.4062	44.187	3.4945
1870 . .	45.606	3.5535	57.891	3.7559	57.909	2.7976	23.851	3.4068	21 1.662	3.4951
1875 . .	40 3.375	3.5543	46 16.674	3.7570	52 11.897	2.7979	40.886	3.4073	19.139	3.4957
1880 . .	21.149	3.5552	35.462	3.7581	25.887	2.7981	57.924	3.4079	36.619	3.4963
1885 . .	38.927	3.5561	54.255	3.7592	39.878	2.7983	13 14.965	3.4085	54.102	3.4969
1890 . .	56.710	3.5570	47 13.054	3.7604	53.870	2.7985	32.009	3.4091	22 11.588	3.4975
1895 . .	41 14.497	3.5579	31.859	3.7615	53 7.864	2.7988	49.055	3.4096	29.078	3.4981
1900 . .	32.288	3.5587	50.669	3.7626	21.858	2.7990	14 6.105	3.4102	46.570	3.4987

Year.	α Tauri.		ι Aurigæ.		11 Orionis.		α Aurigæ.		β Orionis.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	4^h		4^h		4^h		5^h		5^h	
1800 . .	24 27.562	3.4281	43 59.339	3.8875	53 9.103	3.4172	1 56.230	4.4096	4 55.919	2.8777
1839 . .	26 10.452	3.4312	45 56.031	3.8920	54 51.657	3.4197	4 8.597	4.4148	6 22.269	2.8789
1835 . .	27.609	3.4318	46 15.493	3.8927	55 8.756	3.4201	30.673	4.4157	36.665	2.8791
1840 . .	44.769	3.4323	34.959	3.8935	25.857	3.4205	52.754	4.4165	51.061	2.8793
1845 . .	27 1.932	3.4328	54.428	3.8942	42.961	3.4209	5 14.839	4.4174	7 5.458	2.8795
1850 . .	19.097	3.4333	47 13.901	3.8949	56 0.066	3.4212	36.928	4.4182	19.856	2.8797
1855 . .	36.265	3.4339	33.378	3.8957	17.173	3.4216	59.022	4.4190	34.256	2.8799
1860 . .	53.436	3.4344	52.858	3.8964	34.282	3.4220	6 21.119	4.4199	48.656	2.8801
1865 . .	28 10.609	3.4349	48 12.342	3.8971	51.394	3.4224	43.221	4.4207	8 3.057	2.8803
1870 . .	27.785	3.4354	31.829	3.8979	57 8.507	3.4228	7 5.326	4.4215	17.459	2.8805
1875 . .	44.963	3.4359	51.320	3.8986	25.622	3.4232	27.436	4.4223	31.862	2.8807
1880 . .	29 2.144	3.4364	49 10.815	3.8993	42.739	3.4236	49.550	4.4232	46.267	2.8809
1885 . .	19.327	3.4370	30.313	3.9000	59.858	3.4240	8 11.668	4.4240	9 0.672	2.8811
1890 . .	36.514	3.4375	49.815	3.9007	58 16.979	3.4244	33.790	4.4248	15.078	2.8813
1895 . .	53.702	3.4380	50 9.321	3.9014	34.102	3.4248	55.916	4.4256	29.485	2.8815
1900 . .	30 10.894	3.4385	28.830	3.9022	51.226	3.4252	9 18.045	4.4264	43.893	2.8817

Right Ascensions of Time Stars for 1800 *and for Quinquennial Epochs*, 1830–1900—Continued.

Year.	β Tauri.		δ Orionis.		α Leporis.		ε Orionis.		α Columbæ.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	5h		5h		5h		5h		5h	
1800	13 39.585	3.7819	21 47.659	3.0599	23 54.810	2.6421	26 4.225	3.0391	32 24.575	2.1703
1830	15 33.081	3.7845	23 19.474	3.0611	25 14.085	2.6430	27 35.415	3.0402	33 29.696	2.1710
1835	52.005	3.7849	34.780	3.0613	27.301	2.6431	50.617	3.0404	40.552	2.1712
1840	16 10.930	3.7853	50.087	3.0615	40.517	2.6433	28 5.819	3.0406	51.409	2.1714
1845	29.858	3.7857	24 5.395	3.0617	53.733	2.6434	21.023	3.0408	34 2.266	2.1715
1850	48.787	3.7861	20.704	3.0619	26 6.951	2.6436	36.227	3.0410	13.124	2.1716
1855	17 7.719	3.7865	36.014	3.0621	20.169	2.6437	51.432	3.0411	23.983	2.1718
1860	26.652	3.7869	51.325	3.0623	33.388	2.6439	29 6.638	3.0413	34.842	2.1719
1865	45.588	3.7873	25 6.636	3.0624	46.608	2.6440	21.845	3.0415	45.702	2.1721
1870	18 4.526	3.7877	21.949	3.0626	59.829	2.6442	37.053	3.0417	56.563	2.1722
1875	23.465	3.7881	37.263	3.0628	27 13.050	2.6443	52.262	3.0418	35 7.424	2.1723
1880	42.407	3.7885	52.577	3.0630	26.272	2.6445	30 7.471	3.0420	18.286	2.1725
1885	19 1.350	3.7889	26 7.893	3.0632	39.494	2.6446	22.682	3.0422	29.149	2.1726
1890	20.296	3.7893	23.209	3.0634	52.718	2.6448	37.893	3.0424	40.012	2.1728
1895	39.243	3.7897	38.527	3.0636	28 5.942	2.6449	53.106	3.0425	50.876	2.1729
1900	58.193	3.7901	53.845	3.0638	19.167	2.6450	31 8.319	3.0427	36 1.741	2.1730

Year.	α Orionis.		ν Orionis.		μ Geminorum.		γ Geminorum.		α Canis Majoris.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	5h		5h; 6h		6h		6h		6h	
1800	44 20.865	3.2445	56 9.150	3.4257	10 51.526	3.6317	26 9.326	3.4685	36 20.102	2.6443
1830	45 58.212	3.2454	57 51.932	3.4263	12 40.477	3.6317	27 53.376	3.4682	37 39.427	2.6441
1835	46 14.439	3.2455	58 9.064	3.4264	58.636	3.6317	28 10.717	3.4681	52.647	2.6440
1840	30.667	3.2456	26.196	3.4265	13 16.794	3.6317	28.057	3.4680	38 5.867	2.6440
1845	46.896	3.2458	43.329	3.4266	34.953	3.6317	45.397	3.4680	19.087	2.6440
1850	47 3.125	3.2459	59 00.462	3.4267	53.111	3.6317	29 02.737	3.4679	32.307	2.6439
1855	19.355	3.2461	17.596	3.4268	14 11.269	3.6316	20.076	3.4678	45.527	2.6439
1860	35.586	3.2462	34.730	3.4269	29.427	3.6316	37.415	3.4678	58.746	2.6439
1865	51.817	3.2464	51.864	3.4270	47.586	3.6316	54.754	3.4677	39 11.965	2.6438
1870	48 8.050	3.2465	0 8.999	3.4270	15 5.743	3.6316	30 12.092	3.4676	25.184	2.6438
1875	24.282	3.2466	26.135	3.4271	23.901	3.6316	29.430	3.4675	38.403	2.6437
1880	40.516	3.2468	43.271	3.4272	42.059	3.6315	46.768	3.4675	51.622	2.6437
1885	56.750	3.2469	1 0.407	3.4273	16 0.217	3.6315	31 4.105	3.4674	40 4.840	2.6437
1890	49 12.985	3.2470	17.544	3.4274	18.374	3.6315	21.442	3.4673	18.058	2.6436
1895	29.220	3.2472	34.681	3.4275	36.531	3.6314	38.778	3.4672	31.276	2.6436
1900	45.457	3.2473	51.818	3.4275	54.688	3.6314	56.114	3.4672	44.494	2.6436

Right Ascensions of Time Stars for 1800 *and for Quinquennial Epochs*, 1830–1900—Continued.

Year.	ε Canis Majoris.		δ Canis Majoris.		δ Geminorum.		α^2 Geminorum.		α Canis Minoris.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	6h		7h		7h		7h		7h	
1800 . .	50 46.049	2.3565	0 15.700	2.4374	8 10.019	3.5942	21 48.945	3.8501	28 49.499	3.1482
1830 . .	51 56.750	2.3569	1 28.828	2.4378	9 57.816	3.5922	23 44.392	3.8463	30 23.920	3.1466
1835 . .	52 8.535	2.3570	41.017	2.4378	10 15.776	3.5919	24 3.622	3.8456	39.653	3.1463
1840 . .	20.320	2.3570	53.206	2.4379	33.735	3.5915	22.849	3.8450	55.384	3.1461
1845 . .	32.105	2.3571	2 5.396	2.4380	51.691	3.5911	42.072	3.8443	31 11.113	3.1458
1850 . .	43.891	2.3572	17.586	2.4380	11 9.646	3.5908	25 1.292	3.8437	26.842	3.1456
1855 . .	55.677	2.3572	29.776	2.4381	27.599	3.5904	20.509	3.8430	42.569	3.1453
1860 . .	53 7.463	2.3573	41.967	2.4381	45.550	3.5901	39.722	3.8423	58.295	3.1450
1865 . .	19.250	2.3574	54.157	2.4382	12 3.500	3.5897	58.932	3.8417	32 14.019	3.1448
1870 . .	31.037	2.3574	3 6.349	2.4382	21.448	3.5894	26 18.139	3.8410	29.742	3.1445
1875 . .	42.825	2.3575	18.540	2.4383	39.393	3.5890	37.342	3.8403	45.464	3.1442
1880 . .	54.612	2.3576	30.732	2.4384	57.337	3.5886	56.542	3.8397	33 1.185	3.1440
1885 . .	54 6.400	2.3577	42.924	2.4384	13 15.280	3.5883	27 15 739	3.8390	16.904	3.1437
1890 . .	18.189	2.3577	55.116	2.4385	33.220	3.5879	34.932	3.8383	32.622	3.1434
1895 . .	29.978	2.3578	4 7.308	2.4385	51.159	3.5875	54.122	3.8376	48.338	3.1432
1900 .	41.767	2.3578	19.501	2.4386	14 9.095	3.5872	28 13.309	3.8370	34 4.053	3.1429

Year.	β Geminorum.		φ Geminorum.		15 Argus.		η Cancri.		ε Hydræ.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	7h		7h		7h; 8h		8h		8h	
1800 . .	33 3.462	3.6904	41 14.212	3.6914	59 1.710	2.5536	21 7.326	3.4899	36 10.422	3.1882
1830 . .	34 54.119	3.6867	43 4.899	3.6876	0 18.321	2.5538	22 51.966	3.4860	37 46.035	3.1860
1835 . .	35 12.551	3.6861	23.336	3.6870	31.091	2.5539	23 9.395	3.4854	38 1.964	3.1857
1840 . .	30.980	3.6855	41.769	3.6863	43.860	2.5539	26.820	3.4847	17.891	3.1853
1845 . .	49.405	3.6848	44 0.199	3.6857	56.630	2.5540	44.242	3.4841	33.817	3.1850
1850 . .	36 7.828	3.6842	18.626	3.6850	1 9.400	2.5540	24 1.661	3.4834	38 49.741	3.1846
1855 . .	26.248	3.6836	37.050	3.6844	22.170	2.5541	19.077	3.4828	39 5.663	3.1843
1860 . .	44.664	3.6829	55.470	3.6838	34.941	2.5541	36.489	3.4821	21.584	3.1839
1865 . .	37 3.077	3.6823	45 13.887	3.6831	47.712	2.5542	53.898	3.4815	37.502	3.1835
1870 . .	21.487	3.6817	32.301	3.6824	2 0.483	2.5542	25 11.304	3.4808	53.419	3.1832
1875 . .	39.894	3.6810	50.712	3.6818	13.254	2.5543	28.706	3.4802	40 9.334	3.1828
1880 . .	58.298	3.6804	46 9.119	3.6811	26.026	2.5543	46.105	3.4795	25.247	3.1825
1885 . .	38 16.699	3.6798	27.523	3.6805	38.797	2.5544	26 3.501	3.4789	41.159	3.1821
1890 . .	35.097	3.6791	45.924	3.6798	51.570	2.5544	20.894	3.4782	57.069	3.1818
1895 . .	53.491	3.6785	47 4.321	3.6792	3 4.342	2.5545	38.284	3.4776	41 12.977	3.1814
1900 . .	39 11.882	3.6778	22.715	3.6785	17.114	2.5545	55.670	3.4769	28.883	3.1811

Right Ascensions of Time Stars for 1800 *and for Quinquennial Epochs*, 1830–1900—Continued.

Year.	ι Ursæ Majoris.		κ Cancri.		α Hydræ.		θ Ursæ Majoris.		ε Leonis.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	8h		8h; 9h		9h		9h		9h	
1800 . .	45 26.691	4.1730	56 53.985	3.2643	17 45.448	2.9504	19 23.885	4.0907	34 28.358	3.4312
1830 . .	47 31.682	4.1597	58 31.872	3.2615	19 13.953	2.9500	21 26.355	4.0740	36 11.211	3.4257
1835 . .	52.475	4.1575	48.178	3.2610	28.703	2.9499	46.718	4.0712	28.338	3.4248
1840 . .	48 13.257	4.1553	59 4.482	3.2605	43.452	2.9498	22 7.067	4.0684	45.460	3.4239
1845 . .	34.028	4.1531	20.783	3.2600	58.201	2.9497	27.403	4.0657	37 2.577	3.4230
1850 . .	54.788	4.1509	37.082	3.2596	20 12.950	2.9497	47.724	4.0629	19.690	3.4221
1855 . .	49 15.537	4.1486	53.379	3.2591	27.698	2.9496	23 8.032	4.0601	36.798	3.4212
1860 . .	36.274	4.1464	0 9.673	3.2586	42.446	2.9495	28.325	4.0573	53.902	3.4203
1865 . .	57.001	4.1442	25.965	3.2582	57.193	2.9495	48.605	4.0546	38 11.002	3.4194
1870 . .	50 17.716	4.1420	42.255	3.2577	21 11.940	2.9494	24 8.871	4.0518	28.097	3.4185
1875 . .	38.420	4.1397	58.542	3.2572	26.687	2.9493	29.123	4.0491	45.187	3.4176
1880 . .	59.114	4.1375	1 14.827	3.2568	41.433	2.9492	49.362	4.0463	39 2.273	3.4168
1885 . .	51 19.796	4.1353	31.110	3.2563	56.179	2.9492	25 9.586	4.0436	19.355	3.4159
1890 . .	40.467	4.1331	47.390	3.2558	22 10.925	2.9491	29.797	4.0408	36.432	3.4150
1895 . .	52 1.126	4.1308	2 3.668	3.2554	25.670	2.9490	49.994	4.0380	53.504	3.4141
1900 . .	21.775	4.1286	19.944	3.2549	40.416	2.9490	26 10.178	4.0353	40 10.572	3.4132

Year.	μ Leonis.		α Leonis.		γ¹ Leonis.		ρ Leonis.		l Leonis.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	9h		9h; 10h		10h		10h		10h	
1800 . .	41 21.668	3.4397	57 42.373	3.2096	8 55.528	3.3285	22 16.082	3.1715	38 43.953	3.1659
1830 . .	43 4.769	3.4338	59 18.617	3.2066	10 35.312	3.3239	23 51.190	3.1690	40 18.891	3.1634
1835 . .	21.936	3.4328	34.648	3.2061	51.930	3.3231	24 7.034	3.1686	34.707	3.1629
1840 . .	39.097	3.4318	50.677	3.2056	11 8.543	3.3223	22.876	2.1682	50.521	3.1625
1845 . .	56.253	3.4308	0 6.704	3.2050	25.153	3.3216	38.716	3.1678	41 6.332	3.1621
1850 . .	44 13.405	3.4298	22.728	3.2045	41.759	3.3208	54.554	3.1674	22.142	3.1617
1855 . .	30.552	3.4288	38.749	3.2040	58.361	3.3201	25 10.390	3.1670	37.949	3.1613
1860 . .	47.693	3.4278	54.768	3.2035	12 14.960	3.3193	26.224	3.1666	53.755	3.1609
1865 . .	45 4.830	3.4269	1 10.784	3.2030	31.554	3.3185	42.055	3.1661	42 9.558	3.1605
1870 . .	21.962	3.4259	26.798	3.2025	48.145	3.3178	57.885	3.1657	25.360	3.1601
1875 . .	39.089	3.4249	42.810	3.2020	13 4.732	3.3170	26 13.713	3.1653	41.159	3.1597
1880 . .	56.211	3.4239	58.818	3.2015	21.315	3.3163	29.538	3.1649	56.956	3.1593
1885 . .	46 13.328	3.4229	2 14.825	3.2010	37.895	3.3155	45.362	3.1645	43 12.751	3.1588
1890 . .	30.440	3.4220	30.829	3.2005	54.470	3.3148	27 1.184	3.1641	28.545	3.1584
1895 . .	47.548	3.4210	46.830	3.2000	14 11.042	3.3140	17.004	3.1637	44.336	3.1580
1900 . .	47 4.650	3.4200	3 2.829	3.1995	27.611	3.3133	32.821	3.1633	44 0.125	3.1576

Right Ascensions of Time Stars for 1800 *and for Quinquennial Epochs*, 1830–1900—Continued.

Year.	α Ursæ Majoris.		δ Leonis.		δ Crateris.		τ Leonis.		ν Leonis.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	10h		11h		11h		11h		11h	
1800 . .	51 15.575	3.8217	3 27.123	3.2103	9 21.077	2.9908	17 38.979	3.0881	26 42.597	3.0711
1830 . .	53 9.845	3.7964	5 3.371	3.2062	10 50.827	2.9926	19 11.611	3.0874	28 14.731	3.0711
1835 . .	28.816	3.7922	19.400	3.2055	11 5.791	2.9929	27.048	3.0873	30.087	3.0711
1840 . .	47.767	3.7881	35.426	3.2048	20.756	2.9932	42.484	3.0872	45.443	3.0711
1845 . .	54 6.697	3.7839	51.449	3.2042	35.723	2.9935	57.919	3.0870	29 0.798	3.0711
1850 . .	25.606	3.7798	6 7.468	3.2035	50.691	2.9938	20 13.354	3.0869	16.154	3.0712
1855 . .	44.495	3.7756	23.484	3.2028	12 5.661	2.9941	28.788	3.0868	31.510	3.0712
1860 . .	55 3.362	3.7715	39.496	3.2022	20.632	2.9944	44.222	3.0867	46.866	3.0712
1865 . .	22.210	3.7674	55.505	3.2015	35.605	2.9948	59.655	3.0866	30 2.222	3.0712
1870 . .	41.037	3.7633	7 11.511	3.2008	50.580	2.9951	21 15.088	3.0865	17.578	3.0712
1875 . .	59.843	3.7592	27.514	3.2002	13 5.556	2.9954	30.520	3.0864	32.934	3.0712
1880 . .	56 18.629	3.7552	43.513	3.1995	20.534	2.9957	45.952	3.0863	48.290	3.0712
1885 . .	37.395	3.7511	59.508	3.1988	35.513	2.9960	22 1.383	3.0862	31 3.646	3.0713
1890 . .	56.140	3.7471	8 15.501	3.1982	50.494	2.9963	16.814	3.0861	19.003	3.0713
1895 . .	57 14.865	3.7430	31.490	3.1975	14 5.476	2.9967	32.244	3.0860	34.359	3.0713
1900 . .	33.570	3.7390	47.476	3.1968	20.461	2.9970	47.674	3.0859	49.716	3.0713

Year.	β Leonis.		γ Ursæ Majoris.		o Virginius.		γ Corvi.		η Virginius.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	11h		11h		11h		12h		12h	
1800 . .	38 50.879	3.0706	43 14.545	3.2214	55 1.029	3.0605	5 32.262	3.0695	9 40.627	3.0664
1830 . .	40 22.963	3.0683	44 50.985	3.2079	56 32.829	3.0595	7 04.395	3.0728	11 12.629	3.0671
1835 . .	38.304	3.0680	45 7.019	3.2057	48.126	3.0593	19.760	3.0733	27.965	3.0672
1840 . .	53.642	3.0676	23.042	3.2035	57 3.422	3.0591	35.128	3.0739	43.301	3.0673
1845 . .	41 8.980	3.0672	39.053	3.2012	18.717	3.0590	50.499	3.0745	58.638	3.0675
1850 . .	24.315	3.0669	55.054	3.1990	34.012	3.0588	8 05.873	3.0751	12 13.976	3.0676
1855 . .	39.648	3.0665	46 11.044	3.1968	49.306	3 0587	21.250	3.0756	29.314	3.0677
1860 . .	54.980	3.0661	27.022	3.1946	58 4.599	3.0585	36.629	3.0762	44.653	3.0678
1865 . .	42 10.309	3.0658	42.990	3.1924	19.891	3.0583	52.012	3.0768	59.993	3.0680
1870 . .	25.637	3.0654	58.946	3.1902	35.182	3.0582	9 07.397	3.0773	13 15.333	3.0681
1875 . .	40.963	3.0650	47 14.892	3.1880	50.473	3.0580	22.785	3.0779	30.674	3.0682
1880 . .	56.288	3.0647	30.827	3.1859	59 5.762	3.0579	38.176	3.0785	46.015	3.0684
1885 . .	43 11.610	3.0643	46.751	3.1837	21.051	3.0577	53.570	3.0791	14 1.357	3.0685
1890 . .	26.931	3.0640	48 2.664	3.1815	36.340	3.0576	10 08.967	3.0797	16.700	3.0686
1895 . .	42.250	3.0636	18.566	3.1794	51.627	3.0574	24.366	3.0802	32.044	3.0688
1900 . .	57.567	3.0633	34.457	3.1772	60 6.914	3.0573	39.769	3.0808	47.388	3.0689

Right Ascensions of Time Stars for 1800 *and for Quinquennial Epochs,* 1830–1900—Continued.

Year.	β Corvi.		α Canum Venaticorum.		θ Virginis.		α Virginis.		ζ Virginis.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	12^h		12^h		12^h; 13^h		13^h		13^h	
1800 . .	23 54.450	3.1272	46 38.968	2.8291	59 36.462	3.0942	14 40.489	3 1436	24 30.748	3.0475
1830 . .	25 28.337	3.1320	48 3.769	2.8244	1 9.322	3.0965	16 14.846	3.1469	26 2.201	3.0494
1835 . .	43.999	3.1328	17.890	2.8236	24.806	3.0969	30.582	3.1475	17.449	3.0497
1840 . .	59.665	3.1336	32.006	2.8229	40.291	3.0972	46.321	3.1481	32.698	3.0500
1845 . .	26 15.335	3.1344	46.118	2.8221	55.778	3.0976	17 2.063	3.1486	47.949	3.0503
1850 . .	31.009	3.1352	49 0.227	2.8213	2 11.267	3.0980	17.807	3.1492	27 3.201	3.0506
1855 . .	46.687	3.1360	14.332	2.8206	26.758	3.0984	33.555	3.1498	18.455	3.0509
1860 . .	27 2.369	3.1368	28.433	2.8198	42.251	3.0988	49.305	3.1503	33.710	3.0512
1865 . .	18.055	3.1376	42.530	2.8191	57.746	3.0992	18 5.058	3.1509	48.967	3.0515
1870 . .	33.746	3.1385	56.624	2.8183	3 13.243	3.0996	20.814	3.1515	28 4.226	3.0519
1875 . .	49.440	3.1393	50 10.713	2.8176	28.741	3.1000	36.573	3.1520	19.486	3.0522
1880 . .	28 5.139	3.1401	24.800	2.8168	44.242	3.1003	52.334	3.1526	34.747	3.0525
1885 . .	20.841	3.1409	38.882	2.8161	59.745	3.1007	19 8.099	3.1532	50.011	3.0528
1890 . .	36.548	3.1417	52.960	2.8153	4 15.250	3.1011	23.866	3.1538	29 5.275	3.0531
1895 . .	52.259	3.1426	51 7.035	2.8146	30.756	3.1015	39.637	3.1544	20.542	3.0535
1900 . .	29 7.973	3.1434	21.106	2.8139	46.265	3.1019	55.410	3.1549	35.810	3.0538

Year.	η Ursæ Majoris.		η Bootis.		α Bootis.		θ Bootis.		ρ Bootis.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	13^h		13^h		14^h		14^h		14^h	
1800 . .	39 38.586	2.3806	45 9.710	2.8572	6 32.601	2.7330	18 23.156	2.0454	23 12.458	2.5894
1830 . .	40 49.955	2.3774	46 35.424	2.8570	7 54.599	2.7336	19 24.511	2.0450	24 30.130	2.5888
1835 . .	41 1.841	2.3769	49.709	2.8570	8 8.267	2.7337	34.735	2.0449	43.074	2.5887
1840 . .	13.724	2.3763	47 3.994	2.8570	21.936	2.7338	44.959	2.0448	56.017	2.5886
1845 . .	25.604	2.3758	18.279	2.8570	35.605	2.7339	55.183	2.0448	25 8.960	2.5885
1850 . .	37.482	2.3753	32.564	2.8569	49.275	2.7340	20 5.407	2.0447	21.902	2.5884
1855 . .	49.357	2.3748	46.849	2.8569	9 2.945	2.7341	15.630	2.0446	34.844	2.5883
1860 . .	42 1.230	2.3743	48 1.133	2.8569	16.616	2.7342	25.853	2.0446	47.785	2.5882
1865 . .	13.100	2.3737	15.417	2.8569	30.288	2.7344	36.076	2.0445	26 0.726	2.5881
1870 . .	24.967	2.3732	29.702	2.8568	43.960	2.7345	46.298	2.0444	13.667	2.5881
1875 . .	36.832	2.3727	43.986	2.8568	57.633	2.7346	56.520	2.0444	26.607	2.5880
1880 . .	48.694	2.3722	58.270	2.8568	10 11.306	2.7347	21 6.742	2.0443	39.546	2.5879
1885 . .	43 0.554	2.3717	49 12.554	2.8568	24.980	2.7348	16.963	2.0443	52.486	2.5878
1890 . .	12.411	2.3712	26.838	2.8568	38.654	2.7350	27.185	2.0442	27 5.425	2.5877
1895 . .	24.266	2.3707	41.121	2.8567	52.329	2.7351	37.405	2.0441	18.363	2.5876
1900 . .	36.118	2.3702	55.405	2.8567	11 6.005	2.7352	47.626	2.0441	31.301	2.5876

Right Ascensions of Time Stars for 1800 *and for Quinquennial Epochs*, 1830–1900—Continued.

Year.	ε Bootis.		α² Libræ.		β Bootis.		β Libræ.		μ¹ Bootis.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	14h		14h		14h		15h		15h	
1800 . .	36 15.120	2.6215	39 50.321	3.2957	54 24.772	2.2601	6 15.763	3.2113	16 56.209	2.2652
1830 . .	37 33.762	2.6214	41 29.263	3.3004	55 32.574	2.2601	7 52.153	3.2148	18 4.167	2.2655
1835 . .	46.869	2.6214	45.766	3.3011	43.874	2.2601	8 8.229	3.2154	15.495	2.2655
1840 . .	59.975	2.6214	42 2.274	3.3019	55.175	2.2601	24.307	3.2160	26.823	2.2656
1845 . .	38 13.082	2.6214	18.785	3.3026	56 6.475	2.2601	40.389	3.2166	38.151	2.2656
1850 . .	26.189	2.6214	35.301	3.3034	17.775	2.2601	56.473	3.2172	49.479	2.2657
1855 . .	39.296	2.6213	51.820	3.3042	29.075	2.2601	9 12.560	3.2177	19 0.808	2.2658
1860 . .	52.402	2.6213	43 8.343	3.3050	40.376	2.2601	28.650	3.2183	12.137	2.2658
1865 . .	39 5.509	2.6213	24.870	3.3058	51.676	2.2601	44.744	3.2189	23.466	2.2659
1870 . .	18.616	2.6213	41.401	3.3065	57 2.976	2.2601	10 0.840	3.2195	34.796	2.2660
1875 . .	31.723	2.6213	57.935	3.3073	14.276	2.2601	16.939	3.2201	46.126	2.2660
1880 . .	44.829	2.6213	44 14.474	3.3081	25.577	2.2601	33.041	3.2207	57.456	2.2661
1885 . .	57.936	2.6213	31.016	3.3089	36.877	2.2601	49.146	3.2213	20 8.787	2.2662
1890 . .	40 11.043	2.6213	47.562	3.3096	48.177	2.2601	11 5.254	3.2219	20.118	2.2662
1895 . .	24.149	2.6214	45 4.113	3.3104	59.478	2.2601	21.365	3.2225	31.449	2.2663
1900 . .	37.256	2.6214	20.667	3.3112	58 10.778	2.2601	37.478	3.2231	42.781	2.2664

Year.	α Coronæ Borealis.		α Serpentis.		ε Serpentis.		ε Coronæ Borealis.		δ Scorpii.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	15h		15h		15h		15h		15h	
1800 . .	26 13.416	2.5372	34 25.586	2.9462	40 51.391	2.9812	49 18.705	2.4805	48 31.919	3.5244
1830 . .	27 29.541	2.5378	35 53.998	2.9480	42 20.859	2.9832	50 33.135	2.4814	50 17.723	3.5292
1835 . .	42.231	2.5380	36 8.739	2.9483	35.776	2.9835	45.543	2.4816	35.371	3.5300
1840 . .	54.921	2.5381	23.481	2.9486	50.694	2.9839	57.951	2.4817	53.023	3.5308
1845 . .	28 7.612	2.5382	38.225	2.9489	43 5.614	2.9842	51 10.360	2.4819	51 10.679	3.5316
1850 . .	20.303	2.5383	52.970	2.9492	20.536	2.9845	22.770	2.4820	28.339	3.5324
1855 . .	32.995	2.5384	37 7.717	2.9495	35.459	2.9848	35.181	2.4822	46.003	3.5332
1860 . .	45.687	2.5386	22.465	2.9498	50.384	2.9852	47.592	2.4823	52 3.671	3.5340
1865 . .	58.380	2.5387	37.215	2.9501	44 5.311	2.9855	52 0.004	2.4825	21.343	3.5348
1870 . .	29 11.074	2.5388	51.966	2.9504	20.239	2.9858	12.417	2.4826	39.019	3.5356
1875 . .	23.768	2.5389	38 6.719	2.9507	35.169	2.9861	24.830	2.4828	56.699	3.5364
1880 . .	36.463	2.5390	21.473	2.9510	50.101	2.9865	37.245	2.4829	53 14.383	3.5372
1885 . .	49.159	2.5392	36.229	2.9513	45 5.034	2.9868	49.660	2.4831	32.071	3.5380
1890 . .	30 1.855	2.5393	50.987	2.9516	19.969	2.9871	53 2.075	2.4832	49.763	3.5388
1895 . .	14.552	2.5394	39 5.746	2.9520	34.905	2.9875	14.492	2.4834	54 7.459	3.5396
1900 . .	27.249	2.5395	20.506	2.9523	49.844	2.9878	26.909	2.4835	25.159	3.5404

Right Ascensions of Time Stars for 1800 *and for Quinquennial Epochs*, 1830–1900—Continued.

Year.	β^1 Scorpii.		δ Ophiuchi.		τ Herculis.		α Scorpii.		η Draconis.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	15h		15h		16h		16h		16h	
1800 . .	53 49.770	3.4680	3 52.628	3.1322	13 44.202	1.7965	17 10.056	3.6566	21 18.422	0.7899
1830 . .	55 33.875	3.4723	5 26.631	3.1347	14 38.117	1.7980	18 59.822	3.6612	21 42.199	.7954
1835 . .	51.238	3.4730	42.306	3.1351	47.108	1.7982	19 18.130	3.6619	46.179	.7963
1840 . .	56 8.605	3.4737	57.983	3.1355	56.100	1.7985	36.442	3.6627	50.162	.7972
1845 . .	25.976	3.4744	6 13.661	3.1359	15 5.093	1.7987	54.757	3.6635	54.151	.7982
1850 . .	43.350	3.4752	29.342	3.1364	14.087	1.7990	20 13.076	3.6642	58.144	.7991
1855 . .	57 0.728	3.4759	45.025	3.1368	23.083	1.7993	31.399	3.6650	22 2.142	.8000
1860 . .	18.109	3.4766	7 0.710	3.1372	32.080	1.7995	49.726	3.6657	6.144	.8009
1865 . .	35.494	3.4773	16.397	3.1376	41.078	1.7998	21 8.057	3.6665	10.151	.8019
1870 . .	52.882	3.4780	32.086	3.1380	50.077	1.8000	26.391	3.6673	14.163	.8028
1875 . .	58 10.274	3.4788	47.777	3.1384	59.078	1.8003	44.730	3.6680	18.179	.8037
1880 . .	27.670	3.4795	8 3.470	3.1388	16 8.080	1.8005	22 3.072	3.6688	22.200	.8046
1885 . .	45.069	3.4802	19.165	3.1393	17.084	1.8008	21.417	3.6695	26.225	.8055
1890 . .	59 2.472	3.4809	34.863	3.1397	26.088	1.8011	39.767	3.6703	30.255	.8064
1895 . .	19.878	3.4816	50.562	3.1401	35.094	1.8013	58.120	3.6710	34.290	.8074
1900 . .	37.288	3.4823	9 6.264	3.1405	44.101	1.8016	23 16.477	3.6718	38.329	0.8083

Year.	β Herculis.		ζ Ophiuchi.		η Herculis.		κ Ophiuchi.		d Herculis.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	16h		16h		16h		16h		16h	
1800 . .	21 37.649	2.5742	26 9.540	3.2911	36 2.778	2.0504	48 12.510	2.8336	54 13.798	2.2084
1830 . .	22 54.892	2.5753	27 48.315	3.2938	37 4.305	2.0515	49 37.535	2.8349	55 20.064	2.2094
1835 . .	23 7.769	2.5755	28 4.785	3.2942	14.563	2.0517	51.710	2.8351	31.112	2.2095
1840 . .	20.646	2.5757	21.258	3.2947	24.822	2.0519	50 5.886	2.8353	42.160	2.2097
1845 . .	33.525	2.5759	37.732	3.2952	35.082	2.0521	20.063	2.8355	53.208	2.2098
1850 . .	46.405	2.5760	54.209	3.2957	45.343	2.0523	34.241	2.8357	56 4.258	2.2100
1855 . .	59.286	2.5762	29 10.688	3.2960	55.605	2.0525	48.420	2.8359	15.308	2.2102
1860 . .	24 12.167	2.5764	27.169	3.2965	38 5.868	2.0526	51 2.600	2.8362	26.360	2.2103
1865 . .	25.050	2.5766	43.653	3.2969	16.131	2.0528	16.782	2.8364	37.412	2.2105
1870 . .	37.933	2.5768	30 0.138	3.2973	26.396	2.0530	30.964	2.8366	48.465	2.2107
1875 . .	50.817	2.5769	16.626	3.2978	36.662	2.0532	45.148	2.8368	59.518	2.2108
1880 . .	25 3.703	2.5771	33.116	3.2982	46.928	2.0534	59.332	2.8370	57 10.573	2.2110
1885 . .	16.589	2.5773	49.608	3.2987	57.196	2.0536	52 13.518	2.8373	21.628	2.2111
1890 . .	29.476	2.5775	31 6.103	3.2991	39 7.464	2.0538	27.705	2.8375	32.684	2.2113
1895 . .	42.364	2.5777	22.599	3.2995	17.733	2.0540	41.893	2.8377	43.741	2.2115
1900 . .	55.252	2.5779	39.098	3.3000	28.004	2.0542	56.082	2.8379	54.799	2.2116

Right Ascensions of Time Stars for 1800 *and for Quinquennial Epochs*, 1830–1900—Continued.

Year.	α^1 Herculis.		b Ophiuchi.		β Draconis.		α Ophiuchi.		μ Herculis.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	17^h		17^h		17^h		17^h		17^h	
1800 . .	5 32.029	2.7304	14 10.128	3.6522	25 55.274	1.3487	25 39.377	2.7798	38 38.219	2.3429
1830 . .	6 53.956	2.7314	15 59.731	3.6546	26 35.760	1.3503	27 2.788	2.7809	39 48.524	2.3441
1835 . .	7 7.614	2.7316	16 18.005	3.6550	42.512	1.3506	16.692	2.7810	40 0.245	2.3443
1840 . .	21.273	2.7318	36.281	3.6553	49.265	1.3508	30.598	2.7812	11.967	2.3445
1845 . .	34.932	2.7320	54.558	3.6557	56.020	1.3511	44.504	2.7814	23.690	2.3447
1850 . .	48.592	2.7321	17 12.838	3.6561	27 2.776	1.3513	58.411	2.7815	35.414	2.3449
1855 . .	8 2.253	2.7323	31.119	3.6565	9.533	1.3516	28 12.319	2.7817	47.139	2.3451
1860 . .	15.915	2.7325	49.403	3.6568	16.292	1.3519	26.228	2.7819	58.865	2.3452
1865 . .	29.578	2.7327	18 7.688	3.6572	23.052	1.3521	40.138	2.7820	41 10.591	2.3454
1870 . .	43.242	2.7328	25.975	3.6576	29.813	1.3524	54.049	2.7822	22.319	2.3456
1875 . .	56.906	2.7330	44.264	3.6580	36.576	1.3526	29 7.960	2.7824	34.047	2.3458
1880 . .	9 10.572	2.7332	19 2.554	3.6583	43.339	1.3529	21.872	2.7825	45.777	2.3460
1885 . .	24.238	2.7333	20.847	3.6587	50.104	1.3531	35.785	2.7827	57.507	2.3462
1890 . .	37.905	2.7335	39.141	3.6590	56.871	1.3534	49.699	2.7829	42 9.239	2.3464
1895 . .	51.573	2.7337	57.437	3.6594	28 3.638	1.3536	30 3.614	2.7830	20.971	2.3466
1900 . .	10 5.242	2.7339	20 15.735	3.6598	10.407	1.3539	17.530	2.7832	32.704	2.3467

Year.	γ Draconis.		γ^2 Sagittarii.		μ Sagittarii.		η Serpentis.		1 Aquilæ.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	17^h		17^h		18^h		18^h		18^h	
1800 . .	51 58.008	1.3886	52 57.951	3.8491	1 48.346	3.5856	10 57.941	3.1005	24 19.468	3.2644
1830 . .	52 39.681	1.3896	54 53.439	3.8500	3 35.919	3.5860	12 30.969	3.1012	25 57.401	3.2645
1835 . .	46.629	1.3897	55 12.690	3.8502	53.849	3.5860	46.475	3.1013	26 13.724	3.2645
1840 .	53.578	1.3899	31.941	3.8503	4 11.779	3.5861	13 1.982	3.1014	30.046	3.2645
1845 . .	53 0.528	1.3901	51.193	3.8504	29.710	3.5862	17.489	3.1015	46.368	3.2645
1850 . .	7.479	1.3902	56 10.445	3.8505	47.641	3.5862	32.997	3.1016	27 2.691	3.2645
1855 . .	14.431	1.3904	29.698	3.8507	5 5.572	3.5863	48.505	3.1017	19.014	3.2645
1860 . .	21.382	1.3906	48.952	3.8508	23.504	3.5863	14 4.014	3.1018	35.336	3.2645
1865 . .	28.336	1.3907	57 8.206	3.8509	41.435	3.5864	19.523	3.1019	51.659	3.2645
1870 . .	35.290	1.3909	27.461	3.8510	59.367	3.5864	35.033	3.1020	28 7.981	3.2645
1875 . .	42.245	1.3910	46.717	3.8512	6 17.300	3.5865	50.543	3.1021	24.304	3.2645
1880 . .	49.200	1.3912	58 5.973	3.8513	35.232	3.5865	15 6.053	3.1022	40.627	3.2645
1885 . .	56.157	1.3914	25.229	3.8514	53.165	3.5866	21.564	3.1022	56.949	3.2645
1890 . .	54 3.114	1.3915	44.487	3.8515	7 11.098	3.5866	37.076	3.1023	29 13.272	3.2645
1895 . .	10.072	1.3917	59 3.744	3.8516	29.031	3.5866	52.588	3.1024	29.595	3.2645
1900 . .	17.031	1.3918	23.003	3.8517	46.964	3.5867	16 8.100	3.1025	45.917	3.2645

Right Ascensions of Time Stars for 1800 *and for Quinquennial Epochs,* 1830–1900—Continued.

Year.	α Lyræ.		β Lyræ.		σ Sagittarii.		ζ Aquilæ.		d Sagittarii.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	18^h		18^h		18^h		18^h; 19^h		19^h	
1800 . .	30 10.089	2.0304	42 41.917	2.2129	42 51.515	3.7261	56 13.163	2.7565	5 55.579	3.5176
1830 . .	31 11.005	2.0307	43 48.310	2.2133	44 43.278	3.7247	57 35.859	2.7566	7 41.081	3.5159
1835 . .	21.159	2.0307	59.377	2.2134	45 1.901	3.7245	49.643	2.7567	58.660	3.5156
1840 . .	31.313	2.0308	44 10.444	2.2135	20.522	3.7242	58 3.426	2.7567	8 16.237	3.5153
1845 . .	41.467	2.0308	21.512	2.2136	39.143	3.7240	17.210	2.7567	33.813	3.5150
1850 . .	51.621	2.0309	32.580	2.2136	57.762	3.7237	30.993	2.7567	51.387	3.5147
1855 . .	32 1.776	2.0310	43.648	2.2137	46 16.380	3.7235	44.777	2.7567	9 8.960	3.5144
1860 . .	11.931	2.0310	54.717	2.2138	34.997	3.7232	58.560	2.7568	26.531	3.5141
1865 . .	22.086	2.0311	45 5.786	2.2139	53.612	3.7229	59 12.344	2.7568	44.100	3.5138
1870 . .	32.241	2.0311	16.856	2.2139	47 12.226	3.7227	26.128	2.7568	10 1.669	3.5135
1875 . .	42.397	2.0312	27.925	2.2140	30.839	3.7224	39.912	2.7568	19.235	3.5132
1880 . .	52.553	2.0312	38.996	2.2141	49.450	3.7222	53.696	2.7568	36.800	3.5129
1885 . .	33 2.709	2.0313	50.066	2.2141	48 8.060	3.7219	0 7.481	2.7569	54.364	3.5126
1890 . .	12.865	2.0313	46 1.137	2.2142	26.669	3.7216	21.265	2.7569	11 11.926	3.5123
1895 . .	23.022	2.0314	12.208	2.2143	45.277	3.7214	35.049	2.7569	29.486	3.5119
1900 . .	33.179	2.0314	23.280	2.2144	49 3.883	3.7211	48.834	2.7569	47.045	3.5116

Year.	δ Aquilæ.		κ Aquilæ.		γ Aquilæ.		α Aquilæ.		β Aquilæ.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	19^h		19^h		19^h		19^h		19^h	
1800 . .	15 24.783	3.0268	26 7.626	3.2328	36 45.066	2.8532	41 1.425	2.9293	45 29.308	2.9483
1830 . .	16 55.581	3.0263	27 44.591	3.2315	38 10.657	2.8529	42 29.296	2.9287	46 57.752	2.9479
1835 . .	17 10.712	3.0262	28 0.748	3.2313	24.921	2.8528	43.939	2.9286	47 12.492	2.9479
1840 . .	25.843	3.0261	16.904	3.2311	39.185	2.8528	58.582	2.9286	27.231	2.9478
1845 . .	40.974	3.0261	33.059	3.2309	53.448	2.8527	43 13.225	2.9285	41.970	2.9477
1850 . .	56.104	3.0260	49.213	3.2307	39 7.712	2.8527	27.867	2.9284	56.708	2.9476
1855 . .	18 11.234	3.0259	29 5.366	3.2304	21.975	2.8526	42.508	2.9283	48 11.446	2.9476
1860 . .	26.363	3.0258	21.517	3.2302	36.238	2.8526	57.150	2.9282	26.184	2.9475
1865 . .	41.492	3.0257	37.668	3.2300	50.500	2.8525	44 11.790	2.9281	40.921	2.9474
1870 . .	56.620	3.0256	53.817	3.2298	40 4.763	2.8524	26.430	2.9280	55.658	2.9473
1875 . .	19 11.748	3.0255	30 9.966	3.2296	19.025	2.8524	41.070	2.9279	49 10.394	2.9473
1880 . .	26.875	3.0254	26.113	3.2293	33.287	2.8523	55.710	2.9278	25.131	2.9472
1885 . .	42.002	3.0253	42.259	3.2291	47.548	2.8523	45 10.349	2.9277	39.866	2.9471
1890 . .	57.128	3.0252	58.404	3.2289	41 1.810	2.8522	24.987	2.9276	54.602	2.9471
1895 . .	20 12.254	3.0251	31 14.548	3.2287	16.071	2.8522	39.625	2.9275	50 9.337	2.9470
1900 . .	27.380	3.0251	30.691	3.2284	30.331	2.8521	54.262	2.9274	24.072	2.9469

Right Ascensions of Time Stars for 1800 *and for Quinquennial Epochs,* 1830–1900—Continued.

Year.	τ Aquilæ.		α² Capricorni.		γ Cygni.		π Capricorni.		ε Delphini.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	19h		20h		20h		20h		20h	
1800 . .	54 21.975	2.9349	6 56.844	3.3397	15 3.177	2.1520	15 51.493	3.4499	23 39.394	2.8683
1830 . .	55 50.011	2.9343	8 36.999	3.3372	16 7.747	2.1526	17 34.935	3.4464	25 5.438	2.8679
1835 . .	56 4.682	2.9342	53.684	3 3368	18.510	2.1527	52.166	3.4458	19.777	2.8679
1840 . .	19.353	2.9341	9 10.367	3.3364	29.274	2.1528	18 9.393	3.4452	34.116	2.8678
1845 . .	34.023	2.9340	27.048	3.3360	40.038	2.1529	26.618	3.4447	48.455	2.8677
1850 . .	48.692	2.9339	43.726	3.3355	50.803	2.1530	43.840	3.4441	26 2.794	2.8677
1855 . .	57 3.361	2.9338	10 0.403	3.3351	17 1.568	2.1531	19 1.059	3.4435	17.132	2.8676
1860 . .	18.030	2.9337	17.078	3.3347	12.334	2.1532	18.275	3.4429	31.470	2.8675
1865 . .	32.698	2.9336	33.750	3.3343	23.100	2.1533	35.488	3.4424	45.808	2.8675
1870 . .	47.365	2.9335	50.421	3.3339	33.866	2.1534	52.699	3.4418	27 0.145	2.8674
1875 . .	58 2.032	2.9334	11 7.090	3.3334	44.633	2.1535	20 9.906	3.4412	14.482	2.8674
1880 . .	16.699	2.9333	23.756	3.3330	55.401	2.1536	27.111	3.4406	28.819	2.8673
1885 . .	31.365	2.9332	40.420	3.3326	18 6.169	2.1537	44.313	3.4400	43.155	2.8672
1890 . .	46.030	2.9331	57.082	3.3322	16.937	2.1537	21 1.512	3.4395	57.492	2.8672
1895 . .	59 0.695	2.9330	12 13.742	3.3317	27.706	2.1538	18.708	3.4389	28 11.827	2.8671
1900 . .	15.360	2.9329	30.400	3.3313	38.476	2.1539	35.901	3.4383	26.163	2.8671

Year.	α Cygni.		μ Aquarii.		ν Cygni.		61 Cygni (pr).		ζ Cygni.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	20h		20h		20h		20h; 21h		21h	
1800 . .	34 37.034	2.0424	41 51.342	3.2472	49 43.410	2.2308	57 56.643	2.6795	4 25.934	2.5461
1830 . .	35 38.316	2.0431	43 28.720	3.2447	50 50.352	2.2319	59 17.046	2.6807	5 42.337	2.5473
1835 . .	48.532	2.0432	44.943	3.2443	51 1.512	2.2321	30.450	2.6809	55.074	2.5475
1840 . .	58.748	2.0433	44 1.163	3.2439	12.673	2.2323	43.855	2.6811	6 7.812	2.5477
1845 . .	36 8.965	2.0434	17.382	3.2435	23.835	2.2325	57.261	2.6813	20.551	2.5479
1850 . .	19.182	2.0435	33.598	3.2431	34.998	2.2327	0 10.668	2.6815	33.291	2.5481
1855 . .	29.399	2.0436	49.812	3.2427	46.162	2.2329	24.076	2.6817	46.032	2.5483
1860 . .	39.618	2.0437	45 6.025	3.2422	57.327	2.2330	37.485	2.6819	58.774	2.5485
1865 . .	49.836	2.0438	22.235	3.2418	52 8.492	2.2332	50.896	2.6822	7 11.517	2.5487
1870 . .	37 0.056	2.0439	38.443	3.2414	19.659	2.2334	1 4.307	2.6824	24.260	2.5489
1875 . .	10.276	2.0440	54.649	3.2410	30.826	2.2336	17.719	2.6826	37.005	2.5491
1880 . .	20.496	2.0441	46 10.853	3.2406	41.995	2.2338	31.133	2.6828	49.751	2.5492
1885 . .	30.717	2.0443	27.055	3.2402	53.164	2.2340	44.547	2.6830	8 2.498	2.5494
1890 . .	40.939	2.0444	43.255	3.2398	53 4.334	2.2342	57.963	2.6832	15.245	2.5496
1895 . .	51.161	2.0445	59.453	3.2394	15.506	2.2343	2 11.379	2.6834	27.994	2.5498
1900 . .	38 1.383	2.0446	47 15.649	3.2390	26.678	2.2345	24.796	2.6835	40.744	2.5500

Right Ascensions of Time Stars for 1800 *and for Quinquennial Epochs*, 1830–1900—Continued.

Year.	α Cephei.		1 Pegasi.		β Aquarii.		ξ Aquarii.		ε Pegasi.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	21^h		21^h		21^h		21^h		21^h	
1800 . .	13 47.703	1.4425	12 50.507	2.7705	21 1.254	3.1681	27 5.647	3.2052	34 21.799	2.9472
1830 . .	14 30.946	1.4405	14 13.633	2.7711	22 36.267	3.1660	28 41.770	3.2028	35 50.213	2.9470
1835 . .	38.147	1.4401	27.489	2.7712	52.096	3.1657	57.783	3.2024	36 4.949	2.9470
1840 . .	45.347	1.4398	41.345	2.7713	23 7.924	3.1653	29 13.794	3.2020	19.683	2.9470
1845 . .	52.545	1.4395	55.202	2.7714	23.749	3.1649	29.803	3.2016	34.418	2.9469
1850 . .	59.742	1.4392	15 9.059	2.7715	39.573	3.1646	45.810	3.2012	49.153	2.9469
1855 . .	15 6.937	1.4388	22.917	2.7716	55.395	3.1642	30 1.815	3.2008	37 3.888	2.9469
1860 . .	14.130	1.4385	36.775	2.7717	24 11.215	3.1639	17.818	3.2004	18.622	2.9469
1865 . .	21.322	1.4382	50.633	2.7717	27.034	3.1635	33.819	3.2000	33.356	2.9468
1870 . .	28.512	1.4379	16 4.492	2.7718	42.851	3.1632	49.817	3.1996	48.090	2.9468
1875 . .	35.701	1.4375	18.351	2.7719	58.666	3.1628	31 5.814	3.1991	38 2.824	2.9468
1880 . .	42.888	1.4372	32.211	2.7720	25 14.479	3.1625	21.809	3.1987	17.558	2.9467
1885 . .	50.073	1.4369	46.072	2.7721	30.290	3.1621	37.801	3.1983	32.292	2.9467
1890 . .	57.256	1.4365	59.932	2.7722	46.100	3.1617	53.792	3.1979	47.025	2.9467
1895 . .	16 4.438	1.4362	17 13.794	2.7723	26 1.908	3.1614	32 9.780	3.1975	39 1.759	2.9467
1900 . .	11.619	1.4359	27.656	2.7724	17.714	3.1610	25.767	3.1971	16.492	2.9466

Year.	μ Capricorni.		α Aquarii.		α Gruis.		θ Aquarii.		π Aquarii.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	21^h		21^a; 22^h		21^h; 22^h		22^h		22^h	
1800 . .	42 22.636	3.2861	55 30.433	3.0866	55 33.507	3.8472	6 16.221	3.1760	15 3.638	3.0672
1830 . .	44 1.169	3.2827	57 3.010	3.0852	57 28.717	3.8334	7 51.467	3.1737	16 35.644	3.0664
1835 . .	17.582	3.2822	18.435	3.0850	47.878	3.8311	8 7.335	3.1733	50.976	3.0663
1840 . .	33.991	3.2816	33.860	3.0848	7.027	3.8288	23.201	3.1729	17 6.307	3.0661
1845 . .	50.397	3.2810	49.283	3.0846	26.165	3.8265	39.064	3.1725	21.637	3.0660
1850 . .	45 6.801	3.2805	58 4.706	3.0844	45.292	3.8242	54.926	3.1722	36.967	3.0659
1855 . .	23.202	3.2799	20.127	3.0842	59 4.407	3.8219	9 10.786	3.1718	52.296	3.0657
1860 . .	39.600	3.2793	35.548	3.0840	23.511	3.8196	26.644	3.1714	18 7.624	3.0656
1865 . .	55.995	3.2787	50.967	3.0838	42.603	3.8173	42.500	3.1710	22.951	3.0655
1870 . .	46 12.387	3.2782	59 6.385	3.0835	0 1.683	3.8150	58.354	3.1706	38.278	3.0653
1875 . .	28.777	3.2776	21.802	3.0833	20.752	3.8127	10 14.206	3.1702	53.604	3.0651
1880 . .	45.163	3.2770	37.218	3.0831	39.810	3.8104	30.056	3.1699	19 8.929	3.0650
1885 . .	47 1.547	3.2765	52.633	3.0829	58.856	3.8081	45.905	3.1695	24.254	3.0648
1890 . .	17.928	3.2759	0 8.048	3.0827	1 17.891	3.8058	11 1.751	3.1691	39.578	3.0647
1895 . .	34.306	3.2754	23.461	3.0825	36.914	3.8035	17.596	3.1687	54.901	3.0646
1900 . .	50.681	3.2748	38.873	3.0823	55.926	3.8013	33.438	3.1683	20 10.224	3.0644

Right Ascensions of Time Stars for 1800 *and for Quinquennial Epochs*, 1830–1900—Continued.

Year.	η Aquarii.		ζ Pegasi.		λ Aquarii.		α Piscis Australis.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	22^h		22^h		22^h		22^h	
1800 . .	25 4.578	3.0865	31 29.473	2.9890	42 10.361	3.1386	46 34.189	3.3441
1830 . .	26 37.158	3.0855	32 59.152	2.9896	43 44.490	3.1366	48 14.414	3.3376
1835 . .	52.585	3.0853	33 14.100	2.9897	44 0.172	3.1363	31.100	3.3365
1840 . .	27 8.012	3.0852	29.049	2.9898	15 852	3.1360	47.779	3.3354
1845 . .	23.437	3.0850	43.998	2.9899	31.532	3.1356	49 4.454	3.3343
1850 . .	38.862	3.0849	58.948	2.9900	47.209	3.1353	21.123	3.3333
1855 . .	54.286	3.0847	34 13.898	2.9901	45 2.885	3.1350	37.786	3.3322
1860 . .	28 9.709	3.0846	28.849	2.9902	18.559	3.1347	54.445	3.3311
1865 . .	25.131	3.0844	43.801	2.9903	34.232	3.1344	50 11.097	3.3300
1870 . .	40.553	3.0842	58.753	2.9905	49.903	3.1340	27.745	3.3290
1875 . .	55.974	3.0841	35 13.705	2.9906	46 5.572	3.1337	44.387	3.3279
1880 . .	29 11.394	3.0839	28.659	2.9907	21.240	3.1334	51 1.024	3.3268
1885 . .	26.813	3.0838	43.612	2.9908	36.906	3.1331	17.656	3.3258
1890 . .	42.232	3.0836	58.567	2.9909	52.571	3.1328	34.282	3.3247
1895 . .	57.649	3.0835	36 13.522	2.9910	47 8.234	3.1325	50.903	3.3236
1900 . .	30 13.067	3.0833	28.477	2.9912	23.895	3.1322	52 7.518	3.3226

Year.	α Pegasi.		0 Piscium.		ι Piscium.		ω Piscium.	
	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.	R. A.	Ann. var.
	22^h		23^h		23^h		23^h	
1800 . .	54 48.470	2.9801	17 49.685	3.0389	29 40.104	3.0815	49 2.903	3.0744
1830 . .	56 17.896	2.9817	19 20.862	3.0396	31 12.561	3.0823	50 35.152	3.0756
1835 . .	32.805	2.9819	36.060	3.0397	27.973	3.0825	50.530	3.0758
1840 . .	47.715	2.9822	51.259	3.0398	43.386	3.0826	51 5.910	3.0761
1845 . .	57 2.627	2.9825	20 6.458	3.0399	58.800	3.0828	21.291	3.0763
1850 . .	17.540	2.9828	21.658	3.0401	32 14.214	3.0829	36.673	3.0765
1855 . .	32.455	2.9830	36.859	3.0402	29.629	3.0831	52.056	3.0768
1860 . .	47.370	2.9833	52.060	3.0403	45.045	3.0832	52 7.441	3.0770
1865 . .	58 2.288	2.9836	21 7.262	3.0405	33 0.461	3.0834	22.826	3.0772
1870 . .	17.206	2.9839	22.464	3.0406	15.878	3.0835	38.213	3.0775
1875 . .	32.126	2.9841	37.668	3.0407	31.296	3.0837	53.601	3.0777
1880 . .	47.048	2.9844	52.872	3.0409	46.715	3.0838	53 8.990	3.0779
1885 . .	59 1.971	2.9847	22 8.076	3.0410	34 2.135	3.0840	24.380	3.0782
1890 . .	16.895	2.9850	23.282	3.0411	17.555	3.0841	39.772	3.0784
1895 . .	31.821	2.9853	38.487	3.0413	32.976	3.0843	55.164	3.0787
1900 . .	46.748	2.9856	53.694	3.0414	48.398	3.0845	54 10.558	3.0789

13

361

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